

# Opasraportti

## Nursing Science, MSc (2020 - 2021)

University's new study guide for academic year 2020-2021 is published at <https://opas.peppi oulu.fi>

The study guide includes information on degrees, curriculums, courses and course timetables. Course registrations are still done in Oodi.

If you have questions on information in the study guide, please contact the study field's Academic Affairs Service Team <https://www oulu.fi/forstudents/faculty-study-affairs>

# MASTER'S PROGRAMME IN NURSING SCIENCE MASTER OF HEALTH SCIENCES, 120 ECTS cr, 2020 – 2021

## Description

Master's Degree Programme in Nursing Science focuses on nursing science as major. It is based on research in nursing science and is connected to evidence-based nursing and its education, nursing leadership and clinical nurse specialist practices. In addition to studies in nursing science, the programme includes studies in research methodology and option studies either in the option of leadership in nursing or clinical nurse specialist. The degree also consists of minor subject studies, which allow students to direct their studies according to their personal career goals nationally or internationally.

Studies in the Master's Programme in Nursing Science (120 ECTS credits) consist of the following: advanced studies in nursing science, research methodology studies, option studies (clinical nurse specialist or leadership in nursing), and minor subject studies.

## Learning outcomes

Upon completion of the Master's degree in Nursing Science students will have reached the following learning objectives:

**Competence in nursing science and development of evidence-based practices:** The student is

- familiar with and able to apply the concepts, theories, research methods and evidence specific to nursing science and other related sciences, and apply these into work as experts and leaders in social and healthcare;
- able to develop and renew the field of nursing science, as well as the necessary competence needed in social and healthcare, and able to develop organisations in the implementation and evaluation of evidence-based practices;
- able to evaluate their own learning and develop their competence;
- able to achieve the ability to continue further academic education and to conduct research.

**Evidence-based management and clinical expertise:** The student is able to

- work according to professional ethics and legal foundation;
- apply nursing science related concepts and models in an evidence-based and work life- oriented manner;
- solve demanding challenges faced by experts and managers using analytical thinking and evidence-based knowledge in social and healthcare in research, management and innovation;
- manage evidence-based practice in research, development and innovation in social and healthcare;
- creatively use various technical and digital solutions in communication, in clinical work and while working collaboratively with different partners;
- manage their own practices and the practices of others, change processes and different projects while promoting evidence-based practice;
- utilize information necessary for marketing, financial management, and business as an expert and leader in development, research and consulting in social and healthcare.

**Competence in networking, communication and internationalism:** The student is able to

- work independently and collaboratively while utilising the expertise of different professions, and utilising networks that support experts and leaders in the completion of assignments related to teaching, management, and expert work;
- operate and communicate flexibly in rapidly changing, multidisciplinary, regional, national and international networks, and in learning and work communities, while taking into account collaborative, ethical and legal perspectives in addition to the principles of sustainable development.

## Tutkintorakenteet

### Master's Programme in Nursing Science, MHS

Tutkintorakenteen tila: published

Lukuvuosi: 2020-21

Lukuvuoden alkamispäivämäärä: 01.08.2020

### Advanced Studies in Nursing Science (60 op)

This ePSP structure is only meant for students who have been granted their study right according to the 2020-2021 curriculum.

Advanced Studies in Nursing Science, according to the curriculum 2020-2021, are 60 ECTS credits in total (Nursing Science Studies 40 ECTS credits, Research Methodology Studies 20 ECTS credits).

A540303: Nursing Science, advanced studies, 60 - 87 op

*Advanced Studies in Nursing Science*

353301S: Nursing Science in the Field of Sciences, 5 op

353302S: Nursing Science Knowledge and Innovation in Evidence-Based Practice, 5 op  
 353317S: Generating Scientific Knowledge in Nursing Science, 5 op  
 353305S: Master's Thesis and Research Seminars, Nursing Science, 25 op  
 353205S: Written maturity test, 0 op  
 353316S: Research Methods in Nursing and Health Management Science, 5 op  
 353306S: Information Literacy and Data Analysis, 5 op  
 353307S: Planning and Conducting Scientific Research, 5 op  
 352252S: Methods of Statistical Analysis in Health Sciences, 5 op

## Option Studies (35 op)

This ePSP structure is only meant for students who have been granted their study right according to the 2020-2021 curriculum.

Choose one of the following options (35 ECTS credits):

Leadership in Nursing Option 35 ECTS credits

or

Clinical Nurse Specialist Option 35 ECTS credits

### Leadership in Nursing Option

A540308: Leadership in Nursing Option, 35 op

#### *Compulsory*

353308S: Development of Nursing in Multiprofessional Work Environments, 5 op  
 353231A: Introduction to Health Pedagogy, 5 op  
 353309S: Management and Leadership of Client-Centred Services in Nursing, 5 op  
 353310S: Managing Knowledge to Lead Change, 5 op  
 353311S: Role of Nursing Leadership in Evidence-Based Practice, 5 op  
 353312S: Clinical Training Experience for Development of Leadership Competence, 10 op

### Clinical Nurse Specialist Option

A540309: Clinical Nurse Specialist Option, 35 op

#### *Compulsory*

353308S: Development of Nursing in Multiprofessional Work Environments, 5 op  
 353231A: Introduction to Health Pedagogy, 5 op  
 353314S: Role of Specialists in Clinical Nursing Science in Changing Environments, 5 op  
 353315S: Role of Specialists in Clinical Nursing Science in Implementing Evidence into Practice, 5 op  
 352226S: Clinical training, 10 op  
 351180S: Fundamentals of clinical care and nursing science, 5 op

## Minor Subject Studies (vähintään 25 op)

The student may orient the studies according to his/her personal objectives and Personal Study Plan (ePSP) by including in the degree a university level study module (at least 25 ECTS cr) to be completed in Finland or abroad.

## Opintojaksojen kuvaukset

## Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

## A540303: Nursing Science, advanced studies, 60 - 87 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Study module

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Pirjo Kaakinen

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

*Advanced Studies in Nursing Science*

### 353301S: Nursing Science in the Field of Sciences, 5 op

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Pirjo Kaakinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353301S Nursing Science in the Field of Sciences (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Autumn term, 1st year, 1st period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- orientate himself/herself towards the scientific community and academic learning
- describe the development of nursing science and trends in research, research priorities and topics, and theories
- discuss the significance of nursing science in social and healthcare
- analyse and evaluate their own and groups' development in expertise and continuous learning using the Action Model of Expertise (STM) along with nursing science evidence and concepts
- communicate efficiently in multidisciplinary, national and international learning and working communities while taking into consideration ethical and legal perspectives.

**Contents:**

Orientation to university studies and integration into the scientific community, development of nursing science, trends in research, research priorities and topics, significance of nursing science evidence in the development of expertise in social and healthcare.

**Mode of delivery:**

Blended teaching utilizing information and communications technology.

**Learning activities and teaching methods:**

Lectures/workshops 6 h (in Oulu). Seminar 6 h (in Oulu). Completion of an expert portfolio 18 h (distant learning). Independent and collaborative learning in the online learning environment 95 h (distant learning). Tutor teaching and orientation to the university 10 h (in Oulu).

**Target group:**

Students in the nursing science and health sciences teacher programmes

**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. 2016. Hoitotiede. 4th edition. Sanoma Pro Oy. Helsinki.
- Lauri S & Kyngäs H. 2006. Hoitotieteen teorian kehittäminen. Sanoma Pro Oy.
- Journal of Nursing Science (Hoitotiede). Other current national and international literature.

**Assessment methods and criteria:**

Completion of an expert portfolio, collaborative assignments in the online learning environment. Self-assessment, peer assessment, and teacher assessment will be used during the final assessment. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1 - 5 / fail

**Person responsible:**

University lecturer

**Working life cooperation:**

Work orientation: reflection upon personal competence in relation to the needs of working life.

**353302S: Nursing Science Knowledge and Innovation in Evidence-Based Practice, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Maria Kääriäinen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

1st spring term, 3rd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- orientate himself/herself towards the scientific community and academic learning
- discuss current nursing research areas in work-life collaboration
- explain the model of evidence-based practice in social and healthcare
- choose a key information gap at the national and international level related to social and healthcare, education or leadership
- search for current, reliable, and summarized information in nursing science and evaluate its quality
- design an evidence summary based on systematic review
- use innovative/digital methods to disseminate nursing science evidence in changing national and/or international networks
- analyze critically collaborative learning and its development needs
- evaluate development of nursing science expertise and continuous learning.

**Contents:**

Social and healthcare reform, current national and international research areas. Model of evidence-based social and healthcare. Systematic review and critical appraisal. Evidence summary. Evidence-based practice in social and healthcare. Orientation to university studies and integration into the scientific community.

**Mode of delivery:**

Blended teaching utilizing information and communications technology.

**Learning activities and teaching methods:**

Lectures/workshop 16 h (in Oulu or via webinar). Independent and collaborative online learning 44 h (distant learning). Completion of collaborative assignments and development of digital material 60 h (distant learning). Continue working on expert profile 5 h (distant learning). Tutor teaching and orientation to the university 10 h (in Oulu).

**Target group:**

Students in the nursing science and health sciences teacher programmes

**Prerequisites and co-requisites:**

353301S Nursing Science in the Field of Sciences 5 ECTS cr

**Recommended or required reading:**

- Korhonen A, Jylhä V, Korhonen T, Holopainen A. 2018. Näyttöön perustuva toiminta –tarpeesta tuloksiin. Hotus/Skhole, Nursing Research Foundation.
- Holopainen, A, Junttila K, Jylhä, V, Korhonen, A, Seppänen S. 2013. Johda näyttö käyttöön hoitotyössä. Bookwell Oy, Porvoo.
- Current national and international scientific articles.

**Assessment methods and criteria:**

Active participation in the online learning environment, completion of collaborative assignments and development of innovate digital material.

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

**Grading:**

1 - 5 / fail

**Person responsible:**

Professor

**Working life cooperation:**

Working life oriented task

**Other information:**

By completing this course, you can replace the following course in the previous curriculum: Nursing Science II Nursing science research evidence as a foundation in social and healthcare 5 ECTS cr.

**353317S: Generating Scientific Knowledge in Nursing Science, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

2nd autumn term, 1st period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- critically evaluate evidence in nursing science and justify its significance from the scientific, societal, and social and healthcare perspective
- solve demanding challenges independently and collaboratively based on evidence
- make generalizations and draw conclusions about activities in social and healthcare
- evaluate personal and groups' development of expertise and continuous learning.

**Contents:**

Extensive knowledge and research in nursing science. Application of evidence in nursing science.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Guided exercises 28 h (in Oulu). Small group work, gathering, generating, an evaluating evidence and peer assessment 105 h (distant learning). Group oral examination 1,5 h (in Oulu). Group-specific feedback discussions 0,5 h (in Oulu).

**Target group:**

Students in the nursing science and health sciences teacher programmes

**Prerequisites and co-requisites:**

353301S Nursing Science in the Field of Sciences 5 ECTS cr  
 353302S Nursing Science Knowledge and Innovation in Evidence-Based Practice 5 ECTS cr  
 353306S Information Literacy and Data Analysis 5 ECTS cr  
 353316S Research Methods in Nursing Science and Health Management Science 5 ECTS cr  
 353307S Planning and Conducting Scientific Research 5 ECTS cr

**Recommended or required reading:**

Current national and international scientific articles.

**Assessment methods and criteria:**

Lectures/guided exercises, active participation in small group work, guided exercises and group oral examination. Students will collaboratively complete an assignment and participate in a group oral examination, which are graded. Self-assessment, peer assessment, and teacher assessment will be used during the final assessment.

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

**Grading:**

1 - 5 / fail

**Person responsible:**

Professor

**Working life cooperation:**

Working life oriented task

**Other information:**

By completing this (expanded) course, you can replace the following course in the previous curriculum: Nursing Science III 7 ECTS cr.

**353305S: Master's Thesis and Research Seminars, Nursing Science, 25 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Diploma thesis

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Anne Oikarinen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

25 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

2nd autumn term, 1st period - 2nd spring term, 4th period. Also an info lecture on 1st spring term.

**Learning outcomes:**

Upon completion of the course the student will be able to:

1. complete scientific data collection either independently or as a member of a research project according to the agreed timetable and critically discuss the thesis and selected data collection methods in relation to the research topic/phenomenon.
2. collect research data as planned, critically evaluate methodological decisions, one's own actions and choices that have been made, draw conclusions at different stages of data collection and justify solutions that have been made during data collection.
3. critically evaluate methodological decisions, one's own actions and choices that have been made, and draw conclusions at different stages of data analysis. Report data analysis, present research results and argue solutions that have been made during data collection.
4. produce a scientific thesis or article independently or as a member of a research project, manage the use of those research methods that have been utilized. Critically evaluate, draw conclusions and argue decisions that have been made and manage scientific discussion.

**Contents:**

1. Completing a personal research plan. Procedures and regulations related to research permissions, obtaining research permissions, ethical perspectives/ethical committee approval.
2. Report on data collection that meets scientific criteria. Critical discussion on thesis and data collection methods that have been chose related to the research topic/phenomena.
3. Report on data collection and analysis that meets scientific criteria. Critical discussion on thesis and data collection methods that have been chose related to the research topic/phenomena.
4. International literature related to thesis topic and methods. Thesis or article that that meets scientific criteria. Critical discussion on the thesis, research results, conclusions, and presentation of further research ideas.
5. Report on data collection and analysis that meets scientific criteria. Critical discussion on thesis and data collection methods that have been chose related to the research topic/phenomena.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

1. Group guidance and mentoring 6 h, independent work and familiarisation with literature related to own research topic and research methods 113 h, seminars 5 h, self-assessment and peer assessment 5 h.
2. Group guidance and mentoring 10 h, independent work and familiarisation with literature related to own research topic and research methods 110 h, collaboration with the named thesis supervisor 5 h, reporting on data collection 5 h, self-assessment and peer assessment 5 h.
3. Group guidance and mentoring 10 h, independent work and familiarisation with literature 110 h, collaboration with the named thesis supervisor 5 h, reporting on data analysis and research results 5h, self-assessment and peer assessment 5 h.
4. Group and/or individual guidance 10 h, collaboration with the named thesis supervisor 5 h, reading of national and international literature related to the research topic and methods, reporting on the thesis; writing the scientific thesis or article 100 h. Graduation seminar and poster presentations, participation in organising the seminar 20 h.
5. Participation to conference and presenting own study 4 h.
6. 1st spring: compulsory info lecture 2 h.

**Target group:**

Students in the nursing science and health sciences teacher programmes

**Prerequisites and co-requisites:**

Research methods coursework 20 ECTS cr

**Recommended optional programme components:**

353205S Written Maturity Test

**Recommended or required reading:**

- Polit DF & Beck CT (2011) Nursing research: generating and assessing evidence for nursing practice. 9th ed. Wolters Kluwer Health/Lippincott Williams & Wilkins, Philadelphia
- along with national and international literature related to the thesis topic and methods.

**Assessment methods and criteria:**

1. Completion of and reporting on the research permission application,
2. Reporting on data collection. Self-assessment and peer assessment
3. Reporting on data analysis, self-assessment and peer assessment



4. Completion of a scientific thesis or article. Graduation seminar and participation in the organising of the seminar. Participation in one doctoral defence in health sciences during completion of the coursework (25 ECTS cr).

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

**Grading:**

1-5 / fail. Continuous assessment is used during the course. The tasks: pass / fail. Master's thesis: 1-5 / fail.

**Person responsible:**

University lecturer

**Working life cooperation:**

The student is able to conduct the working life-oriented thesis, which supports development of the student's personal expertise.

**Other information:**

Consists of the following parts:

1. Starting the Research Process (5 ECTS credits)
2. Data collection (5 ECTS credits)
3. Data analysis (5 ECTS credits)
4. Reporting of research; reflection on results and reliability, conclusions (10 ECTS credits)

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

0 ECTS cr

**Language of instruction:**

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

**Timing:**

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

**Learning outcomes:**

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

**Contents:**

Maturity test connected to the field of the student's Master's thesis

**Mode of delivery:**

Written maturity test connected to the master thesis

**Learning activities and teaching methods:**

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

**Target group:**

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

**Prerequisites and co-requisites:**

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

**Assessment methods and criteria:**

See [general instructions](#) of the maturity test at the University of Oulu (in Finnish). An abstract of the Master thesis can be accepted as a maturity test if the student has showed good command of language in written maturity test of the Bachelor thesis. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / fail

**Person responsible:**

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

**353316S: Research Methods in Nursing and Health Management Science, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Heidi Siira, Outi Kanste

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353316S    Research Methods in Nursing and Health Management Science (OPEN UNI)    5.0 op

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

1st autumn term, 1st period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- compare and interpret the approaches and the nature of scientific research and to draw conclusions on common methodological issues
- describe different data collection and analysis methods
- organise and combine the stages of the research process to form a logical whole
- analyse and evaluate the reliability and validity of research and ethical issues
- communicate according to good scientific practice and principles
- utilise digital solutions in learning.

**Contents:**

Different study designs, the main stages of the research process, methods in data collection and data analysis, evaluation of reliability and validity and ethical premises.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Preliminary assignment in the beginning of the course. Online learning and completion of assignments in the online learning environment 132 h (including lectures on different themes, independent and collaborative online learning, self and peer assessment) and online examination 3 h. Time-based remote teaching 15 h and time-independent remote teaching 120 h.

**Target group:**

Nursing Science, Health Sciences teacher, and Health Management students.

**Recommended or required reading:**

- Curtis E, Drennan J (eds.) (2013) Quantitative health research: Issues and methods. Open University Press, Maidenhead. eBook.
- Denzin NK & Lincoln YS (eds.) (2018) The SAGE handbook of qualitative research. SAGE, Los Angeles.

- Kyngäs H, Mikkonen K, Kääriäinen M (eds.) (2020) The application of content analysis in nursing science research. © Springer Nature Switzerland AG.
- Polit DF & Beck CT (2017) Nursing research: generating and assessing evidence for nursing practice. Wolters Kluwer Health, Philadelphia.
- Ruusuvaori J, Nikander P, Hyvärinen M (toim.) (2010). Haastattelun analyysi. Vastapaino, Tampere. eBook
- W. Paul Vogt (ed.) (2011) SAGE Quantitative research methods. SAGE Publications, Inc., Thousand Oaks. eBook.
- National and international scientific articles.

**Assessment methods and criteria:**

Active participation in online learning and completion of online assignments. Peer and self-assessment, teacher assessment.

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

**Grading:**

1-5 / fail

**Person responsible:**

Nursing Science and Health Management Science university lecturers.

**353306S: Information Literacy and Data Analysis, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Mimmi Tolvanen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353306S Information Literacy and Data Analysis (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

1st year spring term, 4th period

**Learning outcomes:**

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

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

The student knows basic principles in publication process, research ethics and good scientific practice. The student is familiar with the basic research studies. The student is familiar with requirements for high quality reporting of research findings. Further, the student is able to analyze data with basic statistical methods, use basic statistical significance tests and inference methods, and evaluate critically scientific research reports.

**Contents:**

Scientific information:

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

Scientific communication:

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

Data analysis:

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. Critical reading of published research articles.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures, small group lessons, assignments and exam.

**Target group:**

Master students in health sciences

**Recommended optional programme components:**

352252S Methods of Statistical Analysis in Health Sciences

**Recommended or required reading:**

Material in lessons and small group lessons.

**Assessment methods and criteria:**

Regular and active participation in lectures, small group lessons, readiness tests and completion of practical projects and exams.

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

**Grading:**

1-5 / fail

**Person responsible:**

Mimmi Tolvanen

### **353307S: Planning and Conducting Scientific Research, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Outi Kanste, Heidi Siira

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353307S Planning and Conducting Scientific Research (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

1st autumn term, 2nd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- critically justify choice of a research topic and define key concepts
- analyse the topic in relation to current scientific and societal discussions

- evaluate approaches in research related to the research topic and choose appropriate methods
- apply and justify the methodological solutions made at different stages of research and justify reliability and validity during the different stages of the research process
- evaluate key ethical issues related to conducting research
- develop a research plan
- clearly and creatively present his/her research plan and respond to questions received regarding the thesis
- evaluate the research topics and plans of other students participating in the course and present constructive questions and give feedback to other students on their research plans
- utilise digital solutions in learning.

The student will achieve the ability to conduct their Master's thesis.

**Contents:**

Familiarisation with different kinds of research methods and research process. Practicing to design and plan a research plan according to select research topic, planning the different stages of the research process, justification of made choices, familiarisation with concepts and literature related to selected research topic, evaluation of the reliability and validity and research ethics.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Online learning and completion of assignments in the online learning environment 132 h (including lectures on different themes, development of the research plan, independent and collaborative learning, peer and group assessment) and online examination 3 h. Time-based remote teaching 15 h and time-independent remote teaching 120 h.

**Target group:**

Nursing Science, Health Sciences teacher, and Health Management students.

**Prerequisites and co-requisites:**

353316S Research Methods in Nursing Science and Health Management Science 5 ECTS credits

**Recommended or required reading:**

- Curtis E, Drennan J (eds.) (2013) Quantitative health research: Issues and methods. Open University Press, Maidenhead. eBook.
- Denzin NK & Lincoln YS (eds.) (2018) The SAGE handbook of qualitative research. SAGE, Los Angeles.
- Kyngäs H, Mikkonen K, Kääriäinen M (eds.) (2020) The application of content analysis in nursing science research. © Springer Nature Switzerland AG.
- Polit DF & Beck CT (2017) Nursing research: generating and assessing evidence for nursing practice. Wolters Kluwer Health, Philadelphia.
- Ruusuvaori J, Nikander P, Hyvärinen M (toim.) (2010). Haastattelun analyysi. Vastapaino, Tampere. eBook
- W. Paul Vogt (ed.) (2011) SAGE Quantitative research methods. SAGE Publications, Inc., Thousand Oaks. eBook.
- National and international appropriate scientific articles.
- National and international literature relevant to the research plan.

**Assessment methods and criteria:**

Active participation in online learning, development of a research plan. Peer and group assessment, teacher assessment. The research plan is evaluated numerically.

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

**Grading:**

1-5 / fail

**Person responsible:**

Nursing Science and Health Management Science university lecturers.

**Working life cooperation:**

The student is able to conduct a working life-oriented scientific research.

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course  
**Vastuuyksikkö:** Health Sciences  
**Arvostelu:** 1 - 5, pass, fail  
**Opettajat:** Mimmi Tolvanen  
**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr

**Language of instruction:**

Finnish

**Timing:**

Master degree studies, 1st autumn term 1st period

**Learning outcomes:**

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

**Contents:**

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

**Mode of delivery:**

Contact teaching and group exercises.

**Learning activities and teaching methods:**

Lectures 28 h, group exercises 20 h and learning assignments.

**Target group:**

From 2019-2020 Curriculum onward Master students of health sciences.

**Recommended or required reading:**

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

**Assessment methods and criteria:**

Accepted learning assignments and participation in group exercises.  
 Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / fail

**Person responsible:**

Mimmi Tolvanen

## **A540308: Leadership in Nursing Option, 35 op**

**Voimassaolo:** 01.08.2018 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

*Compulsory*

**353308S: Development of Nursing in Multiprofessional Work Environments, 5 op****Voimassaolo:** 01.08.2019 -**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Health Sciences**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Pirjo Kaakinen, Outi Kähkönen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay353308S Development of Nursing in Multiprofessional Work Environments (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st autumn semester, 1st period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- analyse and evaluate current societal knowledge related to clinical nursing practice and nursing science and draw conclusions based on these.
- identify and evaluate models of expertise and tasks in multidisciplinary teams in nursing leadership and Clinical nursing expertise point of view
- evaluate the needs for change in service systems
- plan activities that are based on professional ethics and legal premises
- assess personal future competence in the role of an expert and in multidisciplinary operational environments in nursing leadership and clinical nursing expertise point of view.

**Contents:**

1. Foundation and specific features of clinical nursing and nursing science
2. Models of expertise and leadership styles
3. Research in nursing science to support clinical nursing practice
4. Competence profile

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Introduction to the course 2 h (time-bound distant learning). Expert lectures and workshops 20 h (in Oulu). Independent and collaborative learning in online learning environment 37 h (distant learning). Familiarization with the literature, searching for and critical appraisal of appropriate literature 30 h (distant learning). Development of a competence profile 40 h (distant learning). Presentation in a seminar 6 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option or Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

No prerequisites required.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic. The study material related to the course will be confirmed at the beginning of the course.

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80 %). Requires online learning and successful completion of learning assignments. There is continuous self-, peer- and teacher assessment during the course.

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

**Grading:**

1-5 / fail. The grade in the course is based on learning task.

**Person responsible:**

University lecturer and university teacher

**Working life cooperation:**

No working life cooperation.

**353231A: Introduction to Health Pedagogy, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Jonna Juntunen, Heli-Maria Kuivila

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353231A Introduction to Health Pedagogy (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st autumn semester, 2nd period

**Learning outcomes:**

Upon completion of the course the student:

- Is able to plan education and teaching in an evidence-based manner, to evaluate different learning theories, learning strategies, learning processes, and teaching methods and to analyze one's own perspective of learning.
- Is able to evaluate different learning environments and work in online environments utilizing digital learning materials.
- Is able to evaluate and develop teaching based on ethical principles and one's own philosophy of values and openness.
- Is able to evaluate and take into account the effects of increased ethnic and cultural diversity in social-, healthcare, and rehabilitation systems.

**Contents:**

Evidence-based teaching. Perspectives and viewpoints of learning. Learning strategies. Learning processes. Teaching methods. Learning environments. Teacher ethical principles. Cultural diversity.

**Mode of delivery:**

The course is delivered as an online course in Finnish and English.

**Learning activities and teaching methods:**

Webinars 5 x 2 h (time-bound distance learning). Online working and assignments 122 h (independent distance-learning). Online exam (e-exam, Examinarium) 3 h.

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option or Clinical Nursing Expertise Option, along with Master's students in the Health Sciences Teacher Education programme.

**Prerequisites and co-requisites:**



No prerequisites required.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

- Mikkonen K ym. (2019). Competence and development of social-, health care, and rehabilitation educators. TerOpe-project report. <http://urn.fi/urn:isbn:9789526224794>
- Saaranen T ym. (2016) Health care teacher's manual.
- Oermann MH (2015). Teaching in nursing and role of the educator.
- Additional current international literature and research studies.

**Assessment methods and criteria:**

Active participation in online learning, completion of the required online assignments and exam.

Self- and teacher assessment will be used during the course. A competence-based evaluation matrix will be used. Students' competence will be evaluated based on the online assignments (pass/to be supplemented) and exam (1-5, fail).

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

**Grading:**

The course utilizes a numerical grading scale 1-5 / fail. The grade in the course is based on the exam score.

**Person responsible:**

University teacher

**Working life cooperation:**

No working life cooperation.

**353309S: Management and Leadership of Client-Centred Services in Nursing, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Outi Kähkönen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353309S Management and Leadership of Client-Centred Services in Nursing (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st spring semester, 3rd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- evaluate and manage activities on a regional and national level to meet the changing needs of population health
- analyze and evaluate the evidence based different methods of counselling in order to strengthen inclusion and customer-oriented health promotion services
- plan and implement evidence based customer-oriented material and methods related to counselling while utilizing technology
- work collaboratively to develop customer-oriented services together with educational organizations, companies and the third sector
- develop a working life-oriented project plan and analyze the role of the manager/leader during the different phases of the project

- strengthen the importance of education in nursing science as a means for effective care in partner organizations.

**Contents:**

1. Health promotion
2. Health promoting patient counselling
3. Strengthening of customer and patient engagement and adherence to care
4. Innovative technological solutions
5. Project plan

**Mode of delivery:**

Blended teaching. Collaboration with a company.

**Learning activities and teaching methods:**

Course info 2 h (time-bound distance learning). Expert lectures and workshops 10 h (in Oulu). Educational site visit 4 h (in Oulu). Launching working life cooperation 7 h (distance learning). Independent and collaborative learning in the online learning environment 38 h (distance learning). Familiarization with literature, searching for and critically appraising appropriate literature 30 h (distance learning). Project plan 40 h. Presentation of the project plan in a workshop 4 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option.

**Prerequisites and co-requisites:**

Completion of 353308S Development of Nursing in Multiprofessional Work Environments 5 ECTS cr.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic. The study material related to the course will be confirmed at the beginning of the course.

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80 %). Accepted learning activities of the period. Evaluation is based on the principles of developmental evaluation and conducted as self-, peer and teacher evaluation.

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

**Grading:**

1 - 5 / fail

**Person responsible:**

University lecturer and university teacher

**Working life cooperation:**

Project plan in cooperation with working life

**Other information:**

The course will include the same content as the course 353314S Role of Clinical Nurse Specialists in Changing Environments, which is offered through the coursework in Clinical nursing expertise.

**353310S: Managing Knowledge to Lead Change, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Outi Kähkönen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st spring semester, 4th period.

**Learning outcomes:**

Upon completion of the course the student will be able to:

- work as a nursing leader in the planning, implementation and evaluation of evidence-based practices while taking into consideration changes in social and healthcare environments
- use analytical thinking and problem-solving skills while leading evidence-based practice
- as a nursing leader, scientifically develop clinical nursing practices, and establish and bring evidence-based knowledge into practice
- work in a multidisciplinary team in the role of a nursing leader and as an advocate for nursing and nursing science.

**Contents:**

1. The process of evidence-based practice and evaluation of effectiveness
2. Support structures of evidence-based practice
3. Management of evidence-based practice

**Mode of delivery:**

Blended teaching/Flipped learning

**Learning activities and teaching methods:**

Flipped learning will be implemented in this course. Course info and instructions 2 h (in Oulu). Active expert lectures 20 h (in Oulu). Preparation for lectures and familiarization with the literature 60 h (distance learning). Collaborative blog 21 h (distance learning). Preparation for the exam 23 h (distance learning). Final workshop 2 h (in Oulu). Examination 3 h (e-exam). Participation in conference 4 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option.

**Prerequisites and co-requisites:**

Completion of 353308S Development of Nursing in Multiprofessional Work Environments 5 ECTS cr and 353309S Client-centered services and management in nursing 5 ECTS cr.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

- JBI Handbook for Evidence Implementation: <https://wiki.joannabriggs.org/display/JHEI/About+this+Handbook> (If applicable)
- Current learning material, research literature and scientific articles related to the topic. The study material related to the course will be confirmed at the beginning of the course.

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80 %) and careful preparation along with successful completion collaborative blog and exam. There is continuous teacher assessment during the course.

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

**Grading:**

1-5 / fail. The grade in the course is based on the exam score.

**Person responsible:**

University teacher and university lecturer

**Working life cooperation:**

Working life experts will be utilized during the course.

**Other information:**

The course will include the same content as the course 353315S Role of Clinical Nurse Specialists in implementing evidence into practice.

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

2nd spring semester, 3rd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- evaluate and interpret factors influencing the wellbeing of the workplace
- holistically manage and promote the work well-being of work communities
- create solutions to different workplace challenges
- justify the principles of solution-oriented work in leadership
- evaluate the solution-oriented leadership methods and utilize that in ones' work.

**Contents:**

Role of the solution-oriented as workplace wellbeing. Dialog and leadership interaction skills as part of workplace wellbeing. Positive psychology and resilience in nursing leadership.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Course info 2 h (in Oulu). Expert lectures and workshops 4x6 h (in Oulu). Familiarization with literature; searching for and critically appraising literature 54 h (distant learning). Independent and collaborative learning 55 h (distant learning).

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option.

**Prerequisites and co-requisites:**

The following courses are to be completed:

353308S Development of Nursing in Multiprofessional Work Environments

353231A Introduction to Health Pedagogy

353309S Management and Leadership of Client-Centred Services in Nursing

353310S Managing Knowledge to Lead Change

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic.

**Assessment methods and criteria:**

Completion of the course requires participation in lectures and workshops (100 %).

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

**Grading:**

Pass / fail

**Person responsible:**

University lecturer

**Working life cooperation:**

Working life experts will be utilized during the course.

**Other information:**

In academic year 2020-21, the course will be implemented together with the course 351180S Fundamentals of clinical care and nursing science.

### **353312S: Clinical Training Experience for Development of Leadership Competence, 10 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Krista Hylkilä, Saara Kukkohovi

**Opintokohteen kielet:** Finnish

#### **ECTS Credits:**

10 ECTS cr / 270 hours of work

#### **Language of instruction:**

Finnish/English

#### **Timing:**

2nd autumn semester, 1st and 2nd period.

#### **Learning outcomes:**

Upon completion of the course the student will be able to:

- work in multidisciplinary expert groups and manage issues and people in different working environments
- analyze and produce expert material needed to support decision-making and use various digital methods of presentation to bring these forward
- apply evidence-based knowledge and decision-making skills during his/her clinical training
- evaluate the skills/activities of one's own and work community
- recognize the importance for monitoring continuous personal development and future developmental challenges and directions in healthcare management.

#### **Contents:**

The clinical training is completed in a social and healthcare organization according to a personal plan. Writing a clinical training plan and a final report.

#### **Mode of delivery:**

Management clinical training at the selected organization.

#### **Learning activities and teaching methods:**

Parts of the clinical training:

Part 1: Info on the clinical training, 2. autumn semester (2 h)

Part 2: Development of an individual clinical training plan in collaboration with the selected organization (22 h)

Part 3: Completion and evaluation of the clinical training (230 h)

Part 4: Writing the final report (10 h)

Part 5: Research clubs (2 h)

Part 6: Workshop (4 h)

#### **Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option.

#### **Prerequisites and co-requisites:**

Previous coursework in Nursing leadership to be completed.

#### **Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

#### **Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic.

#### **Assessment methods and criteria:**

Planning, completion and evaluation of the clinical training together with the supervisor. Writing a clinical training plan and a final report. Self-assessment/reflection on personal development in expertise. Participation in research clubs and workshops. Continuous evaluation and a competence-based evaluation matrix will be used. Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / fail

**Person responsible:**

University teacher

**Working life cooperation:**

The working life-oriented clinical training will be conducted in the organization of the student's choice.

**Other information:**

In academic year 2020-21, the course will be implemented together with the course 352226S Clinical Training.

**A540309: Clinical Nurse Specialist Option, 35 op**

**Voimassaolo:** 01.08.2018 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Health Sciences

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

*Compulsory*

**353308S: Development of Nursing in Multiprofessional Work Environments, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Pirjo Kaakinen, Outi Kähkönen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353308S Development of Nursing in Multiprofessional Work Environments (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st autumn semester, 1st period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- analyse and evaluate current societal knowledge related to clinical nursing practice and nursing science and draw conclusions based on these.
- identify and evaluate models of expertise and tasks in multidisciplinary teams in nursing leadership and Clinical nursing expertise point of view
- evaluate the needs for change in service systems

- plan activities that are based on professional ethics and legal premises
- assess personal future competence in the role of an expert and in multidisciplinary operational environments in nursing leadership and clinical nursing expertise point of view.

**Contents:**

1. Foundation and specific features of clinical nursing and nursing science
2. Models of expertise and leadership styles
3. Research in nursing science to support clinical nursing practice
4. Competence profile

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Introduction to the course 2 h (time-bound distant learning). Expert lectures and workshops 20 h (in Oulu). Independent and collaborative learning in online learning environment 37 h (distant learning). Familiarization with the literature, searching for and critical appraisal of appropriate literature 30 h (distant learning). Development of a competence profile 40 h (distant learning). Presentation in a seminar 6 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option or Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

No prerequisites required.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic. The study material related to the course will be confirmed at the beginning of the course.

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80 %). Requires online learning and successful completion of learning assignments. There is continuous self-, peer- and teacher assessment during the course.

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

**Grading:**

1-5 / fail. The grade in the course is based on learning task.

**Person responsible:**

University lecturer and university teacher

**Working life cooperation:**

No working life cooperation.

**353231A: Introduction to Health Pedagogy, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Jonna Juntunen, Heli-Maria Kuivila

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353231A Introduction to Health Pedagogy (OPEN UNI) 5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st autumn semester, 2nd period

**Learning outcomes:**

Upon completion of the course the student:

- Is able to plan education and teaching in an evidence-based manner, to evaluate different learning theories, learning strategies, learning processes, and teaching methods and to analyze one's own perspective of learning.
- Is able to evaluate different learning environments and work in online environments utilizing digital learning materials.
- Is able to evaluate and develop teaching based on ethical principles and one's own philosophy of values and openness.
- Is able to evaluate and take into account the effects of increased ethnic and cultural diversity in social-, healthcare, and rehabilitation systems.

**Contents:**

Evidence-based teaching. Perspectives and viewpoints of learning. Learning strategies. Learning processes. Teaching methods. Learning environments. Teacher ethical principles. Cultural diversity.

**Mode of delivery:**

The course is delivered as an online course in Finnish and English.

**Learning activities and teaching methods:**

Webinars 5 x 2 h (time-bound distance learning). Online working and assignments 122 h (independent distance-learning). Online exam (e-exam, Examinarium) 3 h.

**Target group:**

Nursing Science students who have chosen to complete coursework in Leadership in Nursing Option or Clinical Nursing Expertise Option, along with Master's students in the Health Sciences Teacher Education programme.

**Prerequisites and co-requisites:**

No prerequisites required.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

- Mikkonen K ym. (2019). Competence and development of social-, health care, and rehabilitation educators. TerOpe-project report. <http://urn.fi/urn:isbn:9789526224794>
- Saaranen T ym. (2016) Health care teacher's manual.
- Oermann MH (2015). Teaching in nursing and role of the educator.
- Additional current international literature and research studies.

**Assessment methods and criteria:**

Active participation in online learning, completion of the required online assignments and exam. Self- and teacher assessment will be used during the course. A competence-based evaluation matrix will be used. Students' competence will be evaluated based on the online assignments (pass/to be supplemented) and exam (1-5, fail).

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

**Grading:**

The course utilizes a numerical grading scale 1-5 / fail. The grade in the course is based on the exam score.

**Person responsible:**

University teacher

**Working life cooperation:**

No working life cooperation.



**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Outi Kähkönen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay353314S Role of Specialists in Clinical Nursing Science in Changing Environments (OPEN UNI)  
5.0 op

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish/English

**Timing:**

1st spring semester, 3rd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- evaluate and manage the changing health needs of the population on a national and international level
- analyze and evaluate the evidence based different methods of counselling in order to strengthen inclusion and customer-oriented health promotion services
- plan and implement the evidence based customer-oriented material and methods related to counselling while utilizing technology
- work collaboratively to develop customer-oriented services together with educational organizations, companies and the third sector
- develop a working life-oriented project plan and analyze the role of the expert during the different phases of the project
- strengthen the importance of education in nursing science as a means for effective care in partner organizations.

**Contents:**

1. Health promotion
2. Health promoting patient counselling
3. Strengthening of customer and patient engagement and adherence to care
4. Innovative technological solutions
5. Project plan

**Mode of delivery:**

Blended teaching. Collaboration with a company.

**Learning activities and teaching methods:**

Course info 2 h (time-bound distance learning). Expert lectures and workshops 10 h (in Oulu). Educational site visit 4 h (in Oulu). Launching working life cooperation 7 h (distance learning). Independent and collaborative learning in the online learning environment 38 h (distance learning). Familiarization with literature, searching for and critically appraising appropriate literature 30 h (distance learning). Project plan 40 h. Presentation of the project plan in a workshop 4 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

Completion of 353308S Development of Nursing in Multiprofessional Work Environments 5 ECTS cr.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic. The study material related to the course will be confirmed at the beginning of the course.

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80 %). Accepted learning activities of the period. Evaluation is based on the principles of developmental evaluation and conducted as self-, peer and teacher evaluation.

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

**Grading:**

1-5 / fail

**Person responsible:**

University lecturer and university teacher

**Working life cooperation:**

Working life oriented project plan

**Other information:**

The course will include the same content as the Leadership in Nursing Option course 353309S Management and Leadership of Client-Centred Services in Nursing.

**353315S: Role of Specialists in Clinical Nursing Science in Implementing Evidence into Practice, 5 op**

**Voimassaolo:** 01.08.2019 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Outi Kähkönen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS credits / 135 hours of work

**Language of instruction:**

Finnish / English

**Timing:**

1st spring semester, 4th period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- work as a clinical nurse specialist in the planning, implementation and evaluation of evidence-based practices while taking into consideration changes in social and healthcare environments
- use analytical thinking and problem-solving skills while leading evidence based practice
- as an expert, scientifically develop clinical nursing practices, and establish and bring evidence-based knowledge into practice
- work in a multidisciplinary team in the role of an expert and as an advocate for nursing and nursing science.

**Contents:**

1. The process of evidence-based practice and evaluation of effectiveness
2. Support structures of evidence-based practice
3. Management of evidence-based practice

**Mode of delivery:**

Blended teaching/Flipped learning

**Learning activities and teaching methods:**

Flipped learning will be implemented in this course. Course info and instructions 2 h (in Oulu). Active expert lectures 20 h (in Oulu). Preparation for lectures and familiarization with the literature 60 h (distance learning). Collaborative blog 21 h (distance learning). Preparation for the exam 23 h (distance learning). Final workshop 2 h (in Oulu). Examination 3 h (e-exam). Participation in conference 4 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

Completion of 353308S Development of Nursing in Multiprofessional Work Environments 5 ECTS cr and 353309S Management and Leadership of Client-Centred Services in Nursing 5 ECTS cr.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

JBI Handbook for Evidence Implementation: <https://wiki.joannabriggs.org/display/JHEI/About+this+Handbook> (If applicable)

**Assessment methods and criteria:**

Completion of the course requires active participation in contact teaching (at least 80%) and careful preparation along with successful completion collaborative blog and exam. There is continuous teacher assessment during the course.

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

**Grading:**

1-5 / fail. The grade in the course is based on the exam score.

**Person responsible:**

University teacher and university lecturer

**Working life cooperation:**

Working life experts will be utilized during the course.

**Other information:**

The course will include the same content as the course 353310S Managing Knowledge to Lead Change.

**352226S: Clinical training, 10 op**

**Voimassaolo:** 01.08.2016 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Practical training

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Krista Hylkilä, Saara Kukkohovi, Jonna Juntunen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS cr / 270 hours of work

**Language of instruction:**

Finnish / English

**Timing:**

2nd autumn semester, 1st and 2nd period.

**Learning outcomes:**

Upon completion of the course the student will be able to:

- work in multidisciplinary expert groups and manage issues and people in different working environments
- develop competence in expertise and change management
- apply evidence-based knowledge and decision-making skills during his/her clinical training

- recognize the importance for monitoring continuous personal development and future developmental challenges and directions in healthcare and in different nursing/nursing science expert roles
- work in changing working life situations and use creative problem-solving skills and innovativeness.

**Contents:**

The clinical training is completed in a social and healthcare organization according to a personal plan. Writing a clinical training plan and a final report.

**Mode of delivery:**

Expert clinical training at the selected organization.

**Learning activities and teaching methods:**

Parts of the clinical training:

Part 1: Info on the clinical training, 2. autumn semester (2 h)

Part 2: Development of an individual clinical training plan in collaboration with the selected organization (22 h)

Part 3: Completion and evaluation of the clinical training (230 h)

Part 4: Writing the final report (10 h)

Part 5: Research clubs (2 h)

Part 6: Workshop (4 h)

**Target group:**

Master's students in nursing Science who have chosen to complete coursework in Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

Previous coursework in Clinical Nursing Expertise Option to be completed.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic.

**Assessment methods and criteria:**

Planning, completion and evaluation of the clinical training together with the supervisor. Writing a clinical training plan and a final report. Self-assessment/reflection on personal development in expertise. Participation in research clubs and workshops. Continuous evaluation and a competence-based evaluation matrix will be used.

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

**Grading:**

Pass / fail

**Person responsible:**

University teacher

**Working life cooperation:**

The working life-oriented clinical training will be conducted in the organization of the student's choice.

**Other information:**

In academic year 2020-21, the course will be implemented together with the course 353312S Clinical Training Experience for Development of Leadership Competence.

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

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Health Sciences

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

**Opettajat:** Jonna Juntunen, Pirjo Kaakinen

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS cr / 135 hours of work

**Language of instruction:**

Finnish / English

**Timing:**

2nd spring semester, 3rd period

**Learning outcomes:**

Upon completion of the course the student will be able to:

- apply and utilize previous competence in research and development in the planning and implementation of a training event
- create new approaches in continuing education and produce evidence-based digital training material and try out different training/teaching methods in different learning environments
- analyze, monitor and interpret the future needs of working life at both the national and international level
- evaluate personal teaching/trainer competence along with the competence of other students.

**Contents:**

The course is completed as a working life-oriented clinical training, which is part of continuing education. Planning and implementation of teaching, which is part of continuing education. Competence in teaching, team teaching. Development of learning material. Online tutoring and counselling. Reporting on the training event. Self- and peer assessment. Recognition of personal expertise. Individual learning diary.

**Mode of delivery:**

The course is carried out through contact teaching and through collaboration with working life during clinical training.

**Learning activities and teaching methods:**

Course info 2 h and familiarization with Moodle online environment 2 h (in Oulu). Familiarization with the literature, search and critical appraisal of appropriate literature 40 h (distant learning). Planning and implementation of teaching content 70 h (distant learning). Learning diary 18 h (distant learning). Feedback discussion 1 h (in Oulu).

**Target group:**

Nursing Science students who have chosen to complete coursework in Clinical Nursing Expertise Option.

**Prerequisites and co-requisites:**

Previous coursework in Clinical Nursing Expertise Option and Research methods to be completed.

**Recommended optional programme components:**

The course is an independent entity and does not require additional studies carried out at the same time.

**Recommended or required reading:**

Current learning material, research literature and scientific articles related to the topic.

**Assessment methods and criteria:**

Completion of the course requires an approved teaching plan and completion of teaching. Active participation in the info, Moodle-training and feedback discussions. The training event will be evaluated through self- and teacher evaluation.

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

**Grading:**

Pass / fail

**Person responsible:**

University teacher/university lecturer

**Working life cooperation:**

This course is completed as a working life-oriented clinical training, which is part of continuing education.

**Other information:**

In academic year 2020-21, the course will be implemented together with the course 353311S Role of Nursing Leadership in Evidence-Based Practice.