Opasraportti

Open University - Health and welfare (2020 - 2021)

Language of instruction in these Open University Courses is Finnish.

Only in one of the on-line courses - **ay041201A Basics in eHealth (OPEN UNI) 5 ECTS cr** - the language of instruction is English. For further information, kindly contact avoin.yliopisto@oulu.fi.

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

ay352257P: Communication and Interaction in Cultural Diverse Work and Learning Environment (OPEN UNI), 5 op
ay352256P: Cultural Competence in Social and Health Care Systems (OPEN UNI), 5 op
ay353401P: Evidence-based rehabilitation (OPEN UNI), 5 op
ayA551112: FutureDigitalHealth - Digital Social and Healthcare Services (OPEN UNI), 25 op
    Compulsory
        ay041201A: Basics in eHealth (OPEN UNI), 5 op
        ay353405P: Customer relationships in digital social and healthcare systems (OPEN UNI), 5 op
        ay353406P: Digital competence in social and health care (OPEN UNI), 5 op
        ay353407P: Management in digital social and healthcare systems (OPEN UNI), 5 op
        ay353408P: Digital solutions in social and healthcare education (OPEN UNI), 5 op
ay353330S: Health Management Science I (OPEN UNI), 10 op
ay353306S: Information Literacy and Data Analysis (OPEN UNI), 5 op
ay353301S: Nursing Science in the Field of Sciences (OPEN UNI), 5 op
ay353307S: Planning and Conducting Scientific Research (OPEN UNI), 5 op
ayA551101: Preliminary Studies of Health Sciences (OPEN UNI), 25 op
    Compulsory
        ay351208P: Human Health and Well-Being, Part 1 (OPEN UNI), 2 op
        ay351209P: Human Health and Well-Being, Part 2 (OPEN UNI), 3 op
        ay351210P: Ethics and Values as the Basis of the Health Care System (OPEN UNI), 5 op
        ay351211P: Health Promotion and Health Coaching (OPEN UNI), 5 op
        ay351212P: Finnish Social and Health Care System (OPEN UNI), 5 op
        ay351213P: Health Care System in Multicultural Societies (OPEN UNI), 5 op
ay353316S: Research Methods in Nursing and Health Management Science (OPEN UNI), 5 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

ay352257P: Communication and Interaction in Cultural Diverse Work and Learning Environment (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

352257P   Communication and Interaction in Cultural Diverse Work and Learning Environment   5.0 op

ECTS Credits:
5 ECTS credits
Language of instruction:
Finnish
Learning outcomes:
Upon completion of the course the student:
Identifies cultural differences in communication and communication.
Identifies the effects of lack of language skills on interaction and knows ways to overcome communication challenges.
Is able to evaluate the impact of culture on verbal and non-verbal communication and ways of communication in international cooperation.
Understands the importance of cultural skills.
Is able to solve and prevent problems arising from misunderstandings and cultural differences.
Is able to evaluate the competence of a culturally diverse student.
Is able to maintain a safe and culturally sensitive environment that supports learning and integration of people from different cultures.
Contents:
Communication and interaction (the impact of culture on communication and interaction, avoiding misunderstandings, professional language skills, developing language skills, the role of the mentor / teacher in supporting language learning, the impact of lack of language skills on interaction). Cultural knowledge and security (cultural skill, creating a culturally safe environment, sufficient resources for multicultural guidance).
Mode of delivery:
The course is delivered as an online course in Finnish.
Learning activities and teaching methods:
Online learning with assignments 135h.
Prerequisites and co-requisites:
No prerequisites required.
Recommended optional programme components:
ay352256P Cultural competence in social and health care systems 5 ECTS cr (recommendation to take and complete).
Recommended or required reading:
Material demonstrated in an e-learning environment (digital literature, articles, lectures, videos and interactive content).
Current national and international scientific literature.
Assessment methods and criteria:
Active participation in online learning and completion of the required online assignments.
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).
Grading:
Pass/fail
The grade for the course is based on the online assignments.

ay352256P: Cultural Competence in Social and Health Care Systems (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

352256P   Cultural Competence in Social and Health Care Systems   5.0 op

ECTS Credits:
5 ECTS credits / 135 hours of work
Language of instruction:
Finnish
Learning outcomes:
Upon completing the course, the student:
Recognizes the importance of international mobility and is able to define related concepts.
Is able to define the concept of cultural competence and understands its importance in guidance and teaching.
Understand why international and cultural competence is important in social and health care, and as a mentor and teacher.
Understands the importance of cultural diversity in social and health care and the moral and ethical responsibility of care professionals to provide and defend the delivery of culturally competent care.
Understands the importance of one's own activities in creating a culture-sensitive environment. Understands the differences between different cultures.
Is able to analyze their own system of values and beliefs and understand why it is important to accept different cultures.
Is able to expand their vision based on evidence-based information.
Is able to assess the impact of increased ethnic and cultural diversity in social, health and rehabilitation systems.

Contents:
Cultural competences (international mobility, social and health care diversity, cultural diversity in the work community, cultural competence, culturally competent care, multicultural care and ethics). Cultural sensitivity and willingness (starting points for culturally sensitive guidance, prejudices, stereotypes, ethnocentricity, respecting the student's background, supporting the student in practice and teaching). Cultural awareness in student guidance and teaching (awareness of one's own culture, knowledge of one's own culture, knowledge of different cultures, cultural differences).
Mode of delivery:
The course is delivered as an online course in Finnish.
Learning activities and teaching methods:
Online learning with assignments 135h.

Prerequisites and co-requisites:
No prerequisites required.
Recommended optional programme components:
The course is an independent unit and does not require any other studies to be taken simultaneously. After completion of this course it is recommended to take the course ay352257P Communication and Interaction in Cultural Diverse Work and Learning Environment (5 ECTS cr).
Recommended or required reading:
Material demonstrated in an e-learning environment (digital literature, articles, lectures, videos and interactive content). Current national and international scientific literature.
Assessment methods and criteria:
Active participation in online learning and completion of the required online assignments.
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).
Grading:
Pass / fail
The grade for the course is based on the online assignments.

ay353401P: Evidence-based rehabilitation (OPEN UNI), 5 op

Voimassaolo: 01.08.2019 -

Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: University of Oulu, Open University
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: University of Oulu, Open University
Opettajat: Pirjo Kaakinen
Opintokohteen kielet: Finnish
Leikkaavuudet:

   353401P   Evidence-based rehabilitation   5.0 op

Ei opintojaksokuvauksia.

ayA551112: FutureDigitalHealth - Digital Social and Healthcare Services (OPEN UNI), 25 op

Voimassaolo: 01.08.2020 -
Opiskelumuoto: Basic Studies
Laji: Study module
Vastuuyksikkö: University of Oulu, Open University
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: University of Oulu, Open University
Opintokohteen kielet: Finnish
Leikkaavuudet:

   A551112   FutureDigitalHealth - Digital Social and Healthcare Services   25.0 op

ECTS Credits:
25 ECTS cr
Language of instruction:
Four of the courses are taught in Finnish and one in English (ay041201A Basics in eHealth).
Contents:
The study module FutureDigiHealth - Digital Social and Healthcare Services (OPEN UNI) 25 ECTS cr gives a broad overview to current and future health care services. During the studies the students will be introduced with phenomena of the service system in the phase of digitalization and to history and progess on a world scale. Virtual hospitals and distant appointments with the health care professionals are already reality, so are on-line health checks. The students will also be introduced with challenges and profitability of the digitalization and fluency of the work with patients/clients. Upon completion of the study module the student will be able to analyze need for digitalization in the health care, use digital solutions in his/her own work and recognize ethical factors in digital health care.
Other information:
This study module can be included in health sciences students´ minor subject studies.
NOTE:
- Language of instruction of the course ay041201A Basics in eHealth is English. Language of instruction of other courses of the study module is Finnish.
- The course ay041201A Basics in eHealth will also be organized as a single independent course by Open University of the University of Oulu in spring 2021. For registration for that individual course kindly contact Jaana Orava avoin.yliopisto(at)oulu.fi.
- The maximum number of participants in each study module is 20 in order of registration.
- In any organizational matters including registration, studies, schedules etc. kindly contact collaborating summer university of your choice as follows (in alphabetical order)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)

Compulsory

ay041201A: Basics in eHealth (OPEN UNI), 5 op

Voimassaolo: 01.08.2019 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Jarmo Reponen

Opintokohteen kielet: English

Leikkaavuudet:

   041201A   Basics in eHealth   5.0 op

ECTS Credits:

5 ECTS cr / 135 hours of work

Language of instruction:

English

Timing:

*Autumn 2020: the course will be organized as a part of the study module "FutureDigiHealth" (25 ECTS cr) by collaborating summer universities of the UOULU Open University
*Spring 2021: the course will be organized by UOULU Open University as a single independent course.
See more in "Other information".

Learning outcomes:

Upon completion of the course:
- The student can define central information and communication technology (ICT) terms and solutions in healthcare, and can list respective applications in healthcare services and training.
- The student can evaluate the societal and economic significance of information and communication technology in healthcare
- The student can understand the position of e-health and telemedicine solutions as a part of the national health care information system.
- The student receives an initial view of future health ICT trends from clinical perspective and possibilities to contribute to these with his/her professional background

Contents:

terms and concepts
-        societal dimensions
-        delivery of health services
-        electronic patient records
-        digital radiology
-        data transfer within the health care system
-        data transfer between the health care professionals and the citizens
-        citizens providing their own health data, mHealth-solutions
-        national healthcare information exchange in Finland
-        remote consultations, examples like teleradiology, telepsychiatry, telerehabilitation
-        economical and functional assessment
-        remote education in health care
-        future visions of health care information systems
-        changing current topics in connected health like: Artificial Intelligence, knowledge based medicine, cybersecurity etc. according to availability
-        Most of the presented examples in the course are based on information system installations in Northern Finland

Mode of delivery:

Web-based teaching in English

Learning activities and teaching methods:

Interactivity takes place in Moodle virtual learning environment. The course consists of videotaped lectures, power point presentations and links to other material available in the web. Performance of duties includes written tasks, exam, participating in moderated discussions on the grounds of the lectures.
Web lectures 15h / web exams 40h / written tasks 40h / self-study and participation in web discussion 40h

Target group:

Anyone who is interested in achieving a basic understanding of e-health, telemedicine and patient record systems in the present healthcare delivery system. The course gives additional knowledge to those already working in healthcare but is also targeted to those coming from industry and other areas of society interested in collaboration with digital health environments.

Recommended optional programme components:

*Autumn 2020: the course will be organized as a part of the study module "FutureDigiHealth" (25 ECTS cr) by collaborating summer universities of the UOULU Open University
*Spring 2021: the course will be organized by UOULU Open University as a single independent course. See more in "Other information".

Recommended or required reading:

All recommended or required reading is offered in Moodle virtual learning environment or in linked web pages.

Assessment methods and criteria:

Web tasks, contribution to moderated discussion, written tasks and course exams and optional final exam.

Grading:

The course utilizes a numerical grading scale 0 – 5. In the numerical scale zero stands for a fail.

Other information:

Kindly note that there is two different implementations of this course, which have different responsible organizers and thus, different registration and other information.
*First implementation is in autumn 2020 as a part of the study module ayA551112 "FutureDigiHealth" (25 ECTS cr) organized by collaborating summer universities of the UOULU Open University. More detailed information about the studies as a part of the module kindly contact the collaborating summer university of your choice as follows (in alphabetical order). (The study module can be included in health sciences students´ minor subject studies.)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)
*Second implementation in spring 2021 as a single independent course organized directly by UOULU Open University. There is a separate call and registration for this individual course in the web site of the UOULU Open University (web site in Finnish). Should you need help in registration, kindly contact Jaana Orava avoin.yliopisto(at)oulu.fi.
The maximum number of students in any implementation of the course is 20 in order of registration.

ay353405P: Customer relationships in digital social and healthcare systems (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Heli Kerimaa, Miro Koskenranta, Olli Autio

Opintokohteen kielet: Finnish

Leikkaavuudet:

   353405P   Customer relationships in digital social and healthcare systems   5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course the student will be able to:
Identify the principles of and the digital solutions, services and products used in social and healthcare services
Recognize the role of the client in the midst of digitalization of social and healthcare services
Analyze, based on evidence, the impact that digitalization of social and healthcare has on customer relationships and on the availability of services
Analyze digital applications related to clients´ adherence to self-care and health promotion

Contents:

Digital services, impact of healthcare digitalization on customer relationships (customer involvement and self-care). Digitalization and wellbeing technology, applications, products, services and equipment, robotics, telehealth, artificial intelligence

Mode of delivery:

Online learning

Learning activities and teaching methods:

Independent and collaborative learning in an online learning environment 70h. Familiarization with literature and other learning material; searching for and critically appraising appropriate literature 40h. Self-assessment of learning and reporting on this (personal blog) 15h, webinars 10h.

Recommended or required reading:

Current literature, scientific publications, online learning material

Assessment methods and criteria:

Active participation in online learning, successful completion of learning assignments and participation in webinars

Grading:

Passed / failed

Person responsible:

University teacher

Other information:

This course is a part of the study module ayA551112 "FutureDigiHealth", which can be included in health sciences students´ minor subject studies.
Maximum number of participants in each implementation is 20 in order of registration.
In any organizational matters including registration, studies, schedules etc. kindly contact collaborating summer university of your choice as follows (in alphabetical order)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)

ay353406P: Digital competence in social and health care (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Miro Koskenranta, Heli Kerimaa, Olli Autio

Opintokohteen kielet: Finnish

Leikkaavuudet:

   353406P   Digital competence in social and health care   5.0 op

ECTS Credits:

5 ECTS

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the module the student will be able to:
analyze the needs for digital health in specific areas of healthcare
evaluate personal digital competence in healthcare
implement and develop digital health competence in his/her own area of expertise

Contents:

Competence in digital healthcare, technological skills, personal factors, psychosocial predictors of competence (changing healthcare practices, organization and leadership, collaboration and collegiality)

Mode of delivery:

Online learning

Learning activities and teaching methods:

Independent and collaborative learning in an online learning environment 70h. Familiarization with literature and other learning material; searching for and critically appraising appropriate literature 40h. Self-assessment of learning and reporting on this (personal blog) 15h, webinars 10h.

Recommended or required reading:

Current literature, scientific publications, online learning material

Assessment methods and criteria:

Active participation in online learning, successful completion of learning assignments and participation in webinars

Grading:

Passed/ failed

Person responsible:

University teacher

Other information:

This course is a part of the study module ayA551112 "FutureDigiHealth", which can be included in health sciences students´ minor subject studies.
Maximum number of participants in each implementation is 20 in order of registration.
In any organizational matters including registration, studies, schedules etc. kindly contact collaborating summer university of your choice as follows (in alphabetical order)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)

ay353407P: Management in digital social and healthcare systems (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Heli Kerimaa, Olli Autio, Miro Koskenranta

Opintokohteen kielet: Finnish

Leikkaavuudet:

   353407P   Management in digital social and healthcare systems   5.0 op

ECTS Credits:

5 ECTS

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course the student will be able to:
Analyze the impact of healthcare digitalization on management in social and healthcare
Identify and evaluate evidence-based digital solutions designed to support management
Evaluate the challenges and opportunities of digitalization of healthcare from the management perspective
Manage change in the healthcare digital transformation

Contents:

Future social and healthcare and future management
Evidence-based evaluation of digital applications
Digital applications that support management

Mode of delivery:

Online learning

Learning activities and teaching methods:

Independent and collaborative learning in an online learning environment 70h. Familiarization with literature and other learning material; searching for and critically appraising appropriate literature 40h. Self-assessment of learning and reporting on this (personal blog) 15h, webinars 10h.

Recommended or required reading:

Current literature, scientific publications, online learning material

Assessment methods and criteria:

Active participation in online learning, successful completion of learning assignments and participation in webinars.

Grading:

Passed/ failed

Person responsible:

University teacher

Working life cooperation:

Assignment pertaining to personal expertise

Other information:

This course is a part of the study module ayA551112 "FutureDigiHealth", which can be included in health sciences students´ minor subject studies.
Maximum number of participants in each implementation is 20 in order of registration.
In any organizational matters including registration, studies, schedules etc. kindly contact collaborating summer university of your choice as follows (in alphabetical order)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)

ay353408P: Digital solutions in social and healthcare education (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Heli Kerimaa, Miro Koskenranta, Olli Autio

Opintokohteen kielet: Finnish

Leikkaavuudet:

353408P	Digital solutions in social and healthcare education	5.0 op

ECTS Credits:

5 ECTS cr

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course the student will be able to:
Explain digital competence and its components in education
Recognize specific issues related to digital learning in healthcare education
Apply the principles of data protection and ethical issues related to digital healthcare

Contents:

Key terminology related to digital competence. Digital competence areas of educators. Digital learning in healthcare education. Data protection practices.

Mode of delivery:

Online learning

Learning activities and teaching methods:

Independent and collaborative learning in an online learning environment 70h. Familiarization with literature and other learning material; searching for and critically appraising appropriate literature 40h. Self-assessment of learning and reporting on this (personal blog) 15h, webinars 10h.

Recommended or required reading:

Current literature, scientific publications, online learning material

Assessment methods and criteria:

Active participation in on-line learning, successful completion of learning assignments and participation in webinars

Grading:

Passed / failed

Person responsible:

University teacher

Working life cooperation:

Assignments pertaining to personal expertise

Other information:

This course is a part of the study module ayA551112 "FutureDigiHealth", which can be included in health sciences students´ minor subject studies.
Maximum number of participants in each implementation is 20 in order of registration.
In any organizational matters including registration, studies, schedules etc. kindly contact collaborating summer university of your choice as follows (in alphabetical order)
Hämeen kesäyliopisto (Häme Summer University)
Jyväskylän kesäyliopisto (Jyväskylä Summer University)
Kainuun Korkeakouluyhdistys ry / Kainuun kesäyliopisto (Kainuu Summer University)
Pohjois-Pohjanmaan kesäyliopisto (Summer University of Northern Ostrobothnia)

ay353330S: Health Management Science I (OPEN UNI), 10 op

Voimassaolo: 01.08.2020 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: University of Oulu, Open University
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: University of Oulu, Open University
Opettajat: Marjo Suhonen
Opintokohteen kielet: Finnish
Leikkaavuudet:

353330S   Health Management Science I   10.0 op

ECTS Credits:
10 ECTS credits
Language of instruction:
Finnish
Timing:
autumn
Learning outcomes:
After the course the student is able to
-use new scientific research and focal concepts of health management science as well as use organizational theories in health management and show own knowledge in portfolio
-know health management science´s place in the field of different sciences, knows the history of health management science and shows it in portfolio
-critically evaluate own knowledge and development needs as a manager and leader in portfolio and also in conversations with other students among the studies
- present portfolio with working life relevance and portfolio that supports own learning in leadership interactively using creatively information and communication technology

Contents:
Health management science as a research field and discipline, central concepts and theoretical approaches. Phenomena of health care administration and management in working life.
Mode of delivery:
Web-based teaching
Learning activities and teaching methods:
On-line workshops 10 h, seminar 6 h, independent and collective studies 117 h, visits to companies/organizations 37 h (independently in any town), portfolio 90 h.
Note: If the student, who has completed this course in Open University, should be admitted as a degree student to the master´s programme in Health Sciences, for fully crediting of this course, he/she must participate in addition in the obligatory orientation studies required by the curriculum of the academic year, when he/she will start the studies.
Prerequisites and co-requisites:
No previous courses.
Recommended or required reading:
Syväjärvi A & Pietiläinen V (toim.) 2016. Inhimillinen ja tehokas sosiaali- ja terveysjohtaminen. Tampere University press. Link to online material: https://tampub.uta.fi/bitstream/handle/10024/100410/Syvajarvi_% 26_Pietilainen_OA.pdf?sequence=1
Hallinnon tutkimus journals. Focus Localis journals. Other relevant research and literature.
Assessment methods and criteria:
Active participation in workshops, seminars and web-based learning. Producing a portfolio, oral presentation of portfolio, visits to companies/organizations. The grading is based on portfolio, its presentation and active participation in workshops and seminar.
Grading:
1-5/fail
Working life cooperation:
Reflection of own knowledge with relation to the needs of working life. Visits to companies/organizations.
Other information:
Note: If the student, who has completed this course in Open University, should be admitted as a degree student to the master´s programme in Health Management Sciences, for fully crediting of this course, he/she must participate in addition in the obligatory orientation studies required by the curriculum of the academic year, when he/she will start the studies.

ay353306S: Information Literacy and Data Analysis (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

353306S   Information Literacy and Data Analysis   5.0 op

ECTS Credits:
5 ECTS cr
Language of instruction:
Finnish
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.
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.
Grading:
1-5, fail

ay353301S: Nursing Science in the Field of Sciences (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Kaisa-Mari Saarela

Opintokohteen kielet: Finnish

Leikkaavuudet:

353301S   Nursing Science in the Field of Sciences   5.0 op

ECTS Credits:
5 ECTS credits
Language of instruction:

Finnish
Timing:
autumn term
Learning outcomes:
Upon completion of the course the student will be able to:
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.
orientate himself/herself towards the scientific community and academic learning.
Contents:
orientation to 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:
Online learning environment
Learning activities and teaching methods:
Lectures, completion of an expert portfolio, independent and collaborative learning in the online learning environment.
Note: If the student, who has completed this course in Open University, should be admitted as a degree student to the master´s programme in Health Sciences, for fully crediting of this course, he/she must participate in addition in the obligatory orientation studies required by the curriculum of the academic year, when he/she will start the studies.
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. Active participation in online learning
Self-assessment, peer assessment, and teacher assessment will be used during the final assessment.
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.
Other information:
Note: If the student, who has completed this course in Open University, should be admitted as a degree student to the master´s programme in Health Sciences, for fully crediting of this course, he/she must participate in addition in the obligatory orientation studies required by the curriculum of the academic year, when he/she will start the studies.

ay353307S: Planning and Conducting Scientific Research (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Kaisa-Mari Saarela

Opintokohteen kielet: Finnish

Leikkaavuudet:

353307S   Planning and Conducting Scientific Research   5.0 op

ECTS Credits:

5 ECTS credits
Language of instruction:
Finnish
Learning outcomes:
Upon completion of the course the student will be able to:
critically justify choice of a research topic and define key concepts
analyze 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
utilize digital solutions in learning

The student will achieve the ability to conduct their Master's thesis.
Contents:
Familiarization 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, familiarization with concepts and literature related to selected
research topic, evaluation of the reliability and validity and research ethics
Mode of delivery:
Web-based 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.
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.
Ruusuvuori 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.
Grading:
1-5/fail
Working life cooperation:
The student is able to conduct a working life-oriented scientific research.

ayA551101: Preliminary Studies of Health Sciences (OPEN UNI), 25 op

Voimassaolo: 01.08.2014 -
Opiskelumuoto: Basic Studies
Laji: Study module
Vastuuyksikkö: University of Oulu, Open University
Arvostelu: 1 - 5, pass, fail
Opetus suunnattu: University of Oulu, Open University

Opettajat: Anne Oikarinen

Opintokohteen kielet: Finnish

Leikkaavuudet:

A551101   Preliminary Studies of Health Sciences   25.0 op

Contents:
Studies in this study module of 25 ECTS credits concentrate in evidence-based activities, in theoretical study of management and education and working life cooperation in the field of health care. Upon completion of the module, the student is able to
- discuss the current state of and topics related to health and wellbeing of Finns
- discuss and understand key concepts of ethics in the field of health care
- define key principals of promotion, values and approaches of health and wellbeing
- describe goals of Finnish social and health care and visions for the future
- recognize meaning of international mobility and globalization in the field of social and health care

Compulsory

ay351208P: Human Health and Well-Being, Part 1 (OPEN UNI), 2 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

351208P   Human Health and Well-Being, Part 1   2.0 op

ECTS Credits:

2 ECTS credits / 54 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
·   recognize the basis of lifespan thinking and the most common national diseases
·   explain the Finnish population
·   recognize the concepts of health and well-being
·   name the main causes of differences in human health
·   discuss the state of health and well-being of the Finnish population and the associated risk factors
·   find and identify various digital applications for maintaining health and well-bein*

Contents:

Life-cycle thinking, Finnish national diseases, human health and well-being and digitalisation in health care.

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

Starting webinar 2h and closing webinar 8h (time-based distance teaching).
In addition, the course includes independent and collaborative work in an online learning environment 44h (time-independent distance teaching).

Prerequisites and co-requisites:

None

Recommended optional programme components:

ay351209P Human Health and well-being, part 2

Recommended or required reading:

Kestilä L, Karvonen S (toim.). 2019. Suomalaisten hyvinvointi 2018. http://urn.fi/URN:ISBN:978-952-343-256-7
Publications of National Institutes of Health and Welfare.
Other 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:

This course utilizes continuous assessment.
Active participation in distance teaching and successful completion of assigned tasks.
The assessment criteria are based on the learning outcomes of the course.
The assessment matrix based on learning has been compiled on Moodle.

Grading:

Pass / Fail

Working life cooperation:

Other information:

NOTE: during 2020-21 academic year there are two Open University implementations of the course and thus, two separate descriptions of the course in these pages of the UOULU Open University as follows:
* separate, individual course (2 ECTS cr), which is specially addressed to high school students interested in health sciences. It is so called peek course, which has a quota of 20 places for students of the open university and separate registration button in one of the descriptions. This course is organized directly by the UOULU Open University.
* course as a part of the study module "Preliminary Studies of Health Sciences (OPEN UNI) (25 ECTS cr)" organized by collaborating summer university. For registration and other information kindly contact https://www.ppkyo.fi/en/contacts/

ay351209P: Human Health and Well-Being, Part 2 (OPEN UNI), 3 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

   351209P   Human Health and Well-Being, Part 2   3.0 op

ECTS Credits:

3 ECTS credits / 81 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
- be prepared for searching research, brainstorming and data collection of health and wellbeing related research.
- be prepared to do a written assignment and to give an oral presentation of a completed assignment
- form an understanding of how health and well-being can be monitored, searched and reported.
- evaluate the reliability of the information collected.

Contents:

Studying human health and well-being, lifespan thinking, Finnish national diseases, human health and well-being, digitalisation in health care, evidence-based practice to support human health and well-being, trustworthy sources of information on health.

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

The course includes independent and collaborative learning in an online learning environment, communal assignment and self and peer assessment 73h (time-independent distance teaching).
Webinar 8h (time-based distance teaching).

Recommended optional programme components:

The course ay351208P Human health and well-being, part 1, should be completed simultaneously or should have been completed earlier.

Recommended or required reading:

Kestilä L, Karvonen S (toim.). 2019. Suomalaisten hyvinvointi 2018. (online)
Publications of National Institutes of Health and Welfare.
Other 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:

Collaborative assignment and presentation in webinar.
The assessment criteria are based on the learning outcomes of the course.
The assessment matrix based on learning has been compiled on Moodle.

Grading:

Pass / Fail

Working life cooperation:

ay351210P: Ethics and Values as the Basis of the Health Care System (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

351210P   Ethics and Values as the Basis of the Health Care System   5.0 op

ECTS Credits:

5 ECTS credits / 135 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
- define basic concepts of ethics and understand their significance in the field of health
- explain various aspects of ethics and the most common moral theories
- identify and define ethical principles, values , and laws that guide health care activities and the role of the client
- evaluate and analyze the realization of values and challenges as well as the importance of ethical principles and recommendations in health care contexts
- identify key principles of research ethics

Contents:

Key concepts of ethics, moral theories, underlying values and laws governing health sector, fundamental ethical principles in the health sector, professional ethics in health, ethical issues and how to deal with them, good scientific practice and research ethics.

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

The course will be implemented through active and collaborative teaching methods as webinar participation 15h (time-based distance teaching).
In addition, the course includes independent and/or collaborative work in an online learning environment, independent and communal assignments, learning diary and self and peer assessment 120 h (time-independent distance teaching).

Recommended or required reading:

Etiikka hoitotyössä. Leino-Kilpi H, Välimäki M. Sanoma Pro, Helsinki. 2014.
Other 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:

This course utilizes continuous assessment.
Active online work, online assignments and learning diary. The assessment of the course focuses on the evaluation of the learning diary. Additionally, passing the course successfully requires active participation in discussions in the Moodle learning environment, teamwork, and participation in the webinar at the end of the course.
The assessment criteria are based on the learning outcomes of the course.
The knowledge-based assessment matrix of the course can be found in Moodle.

Grading:

Pass / Fail

ay351211P: Health Promotion and Health Coaching (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

   351211P   Health Promotion and Health Coaching   5.0 op

ECTS Credits:

5 ECTS credits / 135 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
- define key concepts, principles, values, and approaches to well-being and health promotion
- analyze national and global health programs
- justify the particular challenges and health equity of promoting the well-being and health of the population in their area
- explain the meaning of the principles of sustainable development and interprofessional work for the individuals, families, communities and environment health promotion
- discuss concepts, theories, processes, and documentation of health coaching
- construe national and international guidelines and regulations related to the prevention and treatment of communicable diseases

- use evidence-based, human-oriented and effective health promotion methods and health technology to promote the well-being of the population

Contents:

Consepts, principles, values , and approaches to health promotion, national and global health programs, health coaching and wellness technology, health challenges and disparities in the Finnish population, promoting the health of individuals, communities and the environment through multidisciplinary action, influencing health promotion methods, infectious disease prevention and Finnish vaccination program.

Mode of delivery:

Web based teaching

Learning activities and teaching methods:

The course will be implemented through active and collaborative teaching methods and by webinar 20 h (time-based distance teaching).
In addition, the course includes independent and collaborative work in an online learning environment, independent and communal assignments and self, peer and teacher assessment 115h (time-independent distance teaching).

Prerequisites and co-requisites:

None

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:

This course utilizes continuous assessment.
Active participation in distance teaching, independent work, successful completion of assigned tasks and communal assignment.
The assessment criteria are based on the learning outcomes of the course.
The assessment matrix based on learning has been compiled on Moodle.

Grading:

Pass / Fail

ay351212P: Finnish Social and Health Care System (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

351212P   Finnish Social and Health Care System   5.0 op

ECTS Credits:

5 ECTS credits / 135 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
· describe the goals and future prospects of Finnish social and health policy
· describe and analyze the goals and values of Finnish social, health and wellbeing policy
· describe the roles and responsibilities of key authorities and actors in the social and health care system
· define the principles governing the legislation governing social and health services and professionals
· analyze and evaluate client/patient status and rights in the social and health care system

Contents:

Objectives of Finnish social, health and wellbeing policy, social and health service system, social and health care organizations, service providers and authorities, health services, social service and rehabilitation, political and administrative guidance on social and health care, legislation and strategies governing social and health services, status and rights of the patient and professionals in the social and health service system.

Mode of delivery:

Web-based teaching

Learning activities and teaching methods:

The course will be implemented through active and collaborative teaching methods as webinar 20 h (time-based distance teaching).
In addition, the course includes independent and/or collaborative work in an online learning environment, independent and communal assignments and self and peer assessment 115h (time-independent distance teaching).

Prerequisites and co-requisites:

None

Recommended or required reading:

Keskimäki I, Tynkkynen LK, Reissell E, Koivusalo M, Syrjä V, Vuorenkoski L, Rechel B, Karanikolos M. 2019. Finland: Health system review. Health Systems in Transition 21(2):1–166. (online)
Kestilä L, Karvonen S (toim.). 2019. Suomalaisten hyvinvointi 2018. (online)
Other 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:

This course utilizes continuous assessment. Active participation in distance learning, independent work and successful completion of assigned tasks. The assessment criteria are based on the learning outcomes of the course.
The assessment matrix based on learning has been compiled on Moodle.

Grading:

Pass / Fail

Working life cooperation:

Visit to at least one public, private or other organization providing social and/or health services in the immediate area (e.g. hospital, wellness center, third sector service provider).

ay351213P: Health Care System in Multicultural Societies (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opintokohteen kielet: Finnish

Leikkaavuudet:

   351213P   Health Care System in Multicultural Societies   5.0 op

ECTS Credits:

5 ECTS credits / 135 hours of work

Language of instruction:

Finnish

Learning outcomes:

Upon completion of the course, the student will be able to:
·   recognize the importance of international mobility and globalization in social and health care.
·   identify concepts related to international mobility, globalization, and cultural competence.
·   identify the effects of legislation on cultural knowledge.

- · identify internationally influential health organizations and explains their policies.
- · analyze the significance of international and cultural competence in social and health care.
- · explain the effects of cultural diversity on social and health care and to follow international developments.
- · explain cultural differences and is able to cooperate with people of different cultures

Contents:

Key concepts related to internationalization and cultural competence, international mobility, the model of cultural competence, multiculturalism and ethics in health care, cultural differences, legislation and future perspectives on cultural and multiculturalism.

Mode of delivery:

Web-based learning

Learning activities and teaching methods:

The course includes compulsory webinar 5h (time-based distance teaching).
In addition, the course includes independent and collaborative learning in an online learning environment, independent and communal tasks 126h (time-independent distance teaching).

Prerequisites and co-requisites:

None

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:

This course utilizes continuous assessment. Active participation in distance learning, independent work and successful completion of assigned tasks.
The assessment criteria are based on the learning outcomes of the course.
The assessment matrix based on learning has been compiled on Moodle.

Grading:

Pass / Fail

ay353316S: Research Methods in Nursing and Health Management Science (OPEN UNI), 5 op

Voimassaolo: 01.08.2020 -

Opiskelumuoto: Advanced Studies

Laji: Course

Vastuuyksikkö: University of Oulu, Open University

Arvostelu: 1 - 5, pass, fail

Opetus suunnattu: University of Oulu, Open University

Opettajat: Kaisa-Mari Saarela

Opintokohteen kielet: Finnish

Leikkaavuudet:

353316S   Research Methods in Nursing and Health Management Science   5.0 op

ECTS Credits:
5 ECTS credits
Language of instruction:
Finnish
Timing:
Autumn
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:
Web-based 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.

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.
Ruusuvuori 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.

Grading:
1-5 / fail