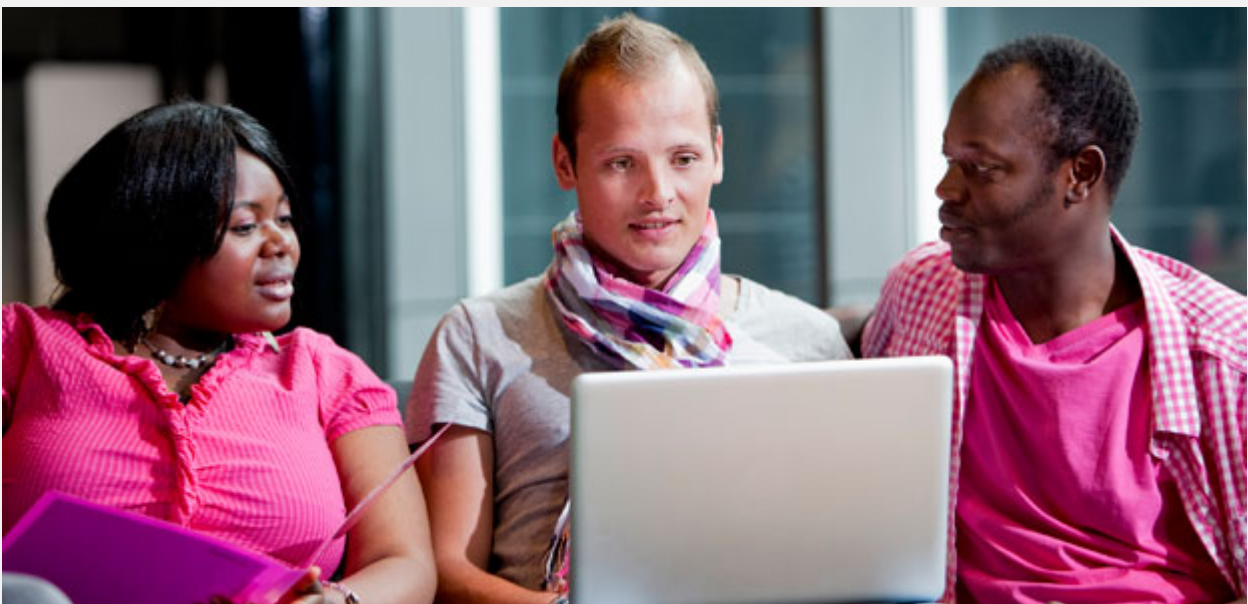


International Study Module for
Future Health Professionals

WellPro

from beginning of February till end of May



Course and Study Information

WellPro International Study Module

This international study module will be implemented at Savonia University of Applied Sciences, School of Health Care in Kuopio from the beginning of February to the end of May. The theoretical sub-modules are organised at first and Practice placements are organized after the orientation of obligatory part and some possible voluntary studies till end of May.

Students can combine theoretical studies with the placement. The number of credits per each placement varies according to the personal learning agreement between the student and the sending and the receiving institution.

For more information please contact:

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School of Health Care, Kuopio

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FIN

WELLPRO COMPULSORY STUDIES

Core studies are organized mainly for foreign students studying in the module.

- | | | |
|------------------------------------|---|------|
| • Cultural and Lingual Orientation | 3 | ECTS |
| • E-learning tools of Savonia | 1 | ECTS |

WELLPRO COMMON VOLUNTARY STUDIES

- | | | |
|-----------------|-----|------|
| • Gerontology * | 5 | ECTS |
| • First Aid I | 1,5 | ECTS |

WELLPRO SPECIALISED STUDIES**Biomedical Laboratory Science**

- | | | |
|--|---|------|
| • Clinical Microbiology and Parasitology | 5 | ECTS |
| • Clinical Molecular Biology and Gene Technology | 5 | ECTS |
| • Clinical microbiology, virology and gene technology | 5 | ECTS |
| • Clinical Practice: Clinical Chemistry | 5 | ECTS |
| • Clinical Practice: Clinical Hematology and immunohematology | 5 | ECTS |
| • Clinical Practice: Clinical Microbiology and Gene Technology | 5 | ECTS |
| • Clinical Practice: Clinical Physiology | 5 | ECTS |

Radiography and Radiation Therapy

- | | | |
|--|-------|------|
| • Radiation Protection III (theory) | 1 | ECTS |
| • Clinical Practice: Conventional Radiography, CT, MRI | 11-18 | ECTS |
| • Clinical Practice: Radiotherapy | 6 | ECTS |
| • Clinical practice: Nuclear Medicine | 6 | ECTS |

Physiotherapy

- | | | |
|--|---|------|
| • Physiotherapy methods (theory) | 2 | ECTS |
| • Clinical practice, Implementation of Physiotherapy | 9 | ECTS |

Nursing

- | | | |
|--|---|------|
| • Clinical Practice: Children's and Adolescent's Nursing | 7 | ECTS |
| • Clinical Practice: Community Health Promotion Practice | 7 | ECTS |
| • Clinical Practice: Mental Health and Addiction Nursing | 7 | ECTS |
| • Clinical Practice: Adult Somatic Health Nursing | 7 | ECTS |

Oral Health Care

- | | | |
|--|-----|------|
| • General diseases and oral health | 3,5 | ECTS |
| • Clinical Practice: Client-centered Oral Health | 8 | ECTS |

***This course will be organized if there are enough participants**

WELLPRO COMPULSORY STUDIES

CULTURAL AND LINGUAL ORIENTATION

Code: TVO012

Language of teaching: English

Credits: 3 ECTS, Includes 2 instalments (1.5 ECTS + 1.5 ECTS)

Cultural Orientation for Exchange Students (instalment) 1.5 ECTS

Learning Objectives:

- Students are familiar with some facts about Finland, their temporary home town Kuopio and facilities of Student House.
- Students are familiar with the hosting institution, the facilities for students and all services concerning their safety.
- Students know and understand their rights and duties as registered students of Savonia UAS School of Health Care.
- Students learn to know and understand the Finnish health care system and patients' rights in Finland.
- Students get familiar with the organisation and buildings in their practice placements and the rights and duties of students during the practice.

Core Content: Students understand what are the main issues to adjust to a new country, culture and environment in order to make their studies as effectively as possible.

Learning and Teaching Methods:

- Instruction in small groups
- Safety of incoming exchange students in Kuopio and practical placements and personal guidance
- Personal guidance to environment with help of trained tutor students
- Supervising teachers guidance to own studies
- Clinical mentors guidance to practical placements
- Independent work of students by Internet sources, handouts and other material to read
- Library presentation

Assessment: Participation in teaching and guidance. "Distant exam" by email, students are able to provide an essay of essential information of the learning objectives without misunderstandings.

Grading Scale: Failed/passed

Study Material: Handouts, Internet sources and other material to read.

Contact person: Marja-Liisa Gröhn-Rissanen, Ms, MSc, RN, International Coordinator

Finnish Language for Beginners (instalment), 1,5 ECTS

Learning Objectives: To learn the basics of Finnish to survive in simple everyday situations.

Core Contents:

- Introducing oneself
- Numbers
- Weekdays
- Months
- Verb conjugations
- Formulating questions and replying appropriately
- Finnish cases; asking and telling the way, things to say in everyday situations in family and education
- Essential vocabulary and pronunciation

Learning and Teaching Methods: Contact teaching 20 lectures, personal guidance, student's independent work 20 hours.

Assessment: Regular participation to lectures, active interaction in small group work, written and oral exam

Grading Scale: 0 – 5

Study material: Handout

Contact person: Pekka Kaartinen, Mr, Master of English and Nordic Philology.

E-LEARNING TOOLS OF SAVONIA

Code: TWP115

Language of teaching: English

Credits: 1 ECTS

Learning Objectives: Students will

- Learn how to use Savonia's information systems such as email and eLearning platform Moodle
- Get familiar with common social media tools and how to use them in learning

Core Content:

- Savonia's information systems (username and password, email, Moodle) and social media tools: Wordpress blog, Google Drive

Learning and Teaching Methods: Lectures and leaning by doing.

Assessment: Accomplished assignments in blog

Grading Scale: Failed / passed

Contact Person: Aija Hietanen, Ms, MSc, RN, Senior Lecturer.

WellPro COMMON VOLUNTARY STUDIES

GERONTOLOGY (THIS COURSE WILL BE ORGANIZED IF THERE ARE ENOUGH PARTICIPANTS)

Code: TWPGE9

Language of teaching: English

Credits: 5 ECTS

Learning Objectives:

- be able to explain the ethical and multidisciplinary bases of gerontological nursing
- be able to analyze social and health care system perspective of home care
- be able to explain central geriatric diseases and to evaluate medication
- be able to plan older people's care and rehabilitation
- be able to plan older people's terminal care
- be able to evaluate and realize older people's nutritional care

Core Content:

- older people as an individual in society
- gerontechnology
- resource-based care and service plan
- geriatric diseases: dementia, mental health, substance abuse nursing, nutrition, medication, rehabilitation, sociocultural nursing
- caring for close relatives, religious nursing

Learning and Teaching Methods: Lectures (30 hours), self-study of literature and examination.

Assessment Criteria: Participate in lecture and simulations, examination

Grading Scale: 0 – 5

Study Material: A list will be provided at the beginning of the course

N.B.: third-year students

Contact Person: Marja Äijö, PhD, Principal Lecturer, Riitta Turjamaa, PhD, Senior Lecturer in Nursing

FIRST AID I**Code:** TWPFA1**Language of teaching:** English**Credits:** 1,5 ECTS**Learning Objectives:** After the course the student should be able to:

- Understand the importance of first aid.
- Recognize problems of sudden illness or injuries.
- Call to the dispatch centre.
- Give first aid to a casualty for sudden illness or injuries.

Core Content:

- Importance of first aid.
- Responsibility to help.
- First aid instructions; failures in breathing, circulation and consciousness, resuscitation, injuries.

Learning and Teaching Methods: Lecturers, case studies, discussions, simulations.**Assessment:** Final exam, simulations.**Grading Scale:** Failed / passed.**Study Material:** Literature: will be announced in the beginning of the course.**N.B.:** Attendance in simulations 100 %.**Contact Person:** Jussi Vainionperä, Mr, MSc, RN Senior Lecturer

WELLPRO SPECIALISED STUDIES

BIOMEDICAL LABORATORY SCIENCE

CLINICAL MICROBIOLOGY AND PARASITOLOGY

Code: TWPBCP11

Language of teaching: English

Credits: 5 ECTS (including 2.5 for practice)

Learning Objectives: The Student

- can understand concepts of the clinical microbiology and the stages of the research process the principles of industrial safety and patient safety
- can be acquainted with the national and international literature of the field and modes of action
- can adapt the theory based on researches
- observe the principles of quality management and of industrial safety and patient safety
- comprehend the international and multicultural aspects of practice in this field
- can do some basic microbiological analysis e.g. bacterial cultures, sensitivity, recognition of microbes

Core Content:

- bacteria, parasite and mycoses structure and qualities
- the most important pathogenic species of these three causing diseases
- bacteriological laboratory working principles
- general principles of microbiological sampling
- different bacteriological cultures and staining, bacteria recognition and sensitivity tests
- structure of viruses, characteristics and those causing diseases
- parasite diagnostics

Learning and Teaching Methods:

- Key lectures, practice, networking, exercises, independent study, tests
- Do the tasks assigned, taking part in practice and working groups

Assessment Criteria: exam, participating exercises

Grading Scale: 0 - 5

Study Material: A list will be provided at the beginning of the course

Previous courses completed:

TBLUOT2 Biomedical laboratory science natural knowledge and skills II, 10 ECTS

TBLUOT1 Biomedical laboratory science natural knowledge and skills I, 10 ECTS

TBIMISO Immunological mechanism and isotope medicine principles, 5 ECTS

Contact Person: Leena Tikka, Ms, LicSc (Health Sciences), Senior Lecturer

MOLECULAR BIOLOGY AND GENE TECHNOLOGY

Code: TBMOGE9

Language of teaching: English

Credits: 5 ECTS (including 2.5 for practice)

Learning Objectives:

On completion of the study module after performing the student will be able to do the following

- know the concepts of molecular biology and genetic engineering and the general application areas
- know the clinical application areas of the field and grounds study
- know the national and international legislation on the field and the central ethical problems
- conduct molecular biological and gene technological studies using theory information and following a clinical biomedical laboratory process
- operate observing the principles of quality management, industrial safety and patient safety
- can do some basic molecular biology research e.g. PCR/RT-PCR, agarose gel electrophoresis

Core contents:

- Chromosomes, DNA and RNA
- basic methods in molecular biology
- polymorphism, mutations, heritability, diagnostics of hereditary diseases, gene therapies, gene testing and gene screening decrees
- scientific study, laws and decrees concerning gene technology, the Board of the Genetic Engineering and Consultative Committee, ethical problems, DNA isolation, agarosegel electrophoreses

Performance: Participation in teaching, practice involving task, network meetings tasks, written test, The Journal Club, group work and work reports, laboratory exercises

Grading Scale: 0 - 5

Literature:

In Finnish:

Suominen, I., Pärssinen, R., Haajanen, K., Pelkonen, J. 2010. Geenitekniikka. Turun ammattikorkeakoulu. <http://julkaisut.turkuamk.fi/geenitekniikka/>

-Aula P., Kääriäinen H., Leiski, J. (toim.) 2004. Perinnöllisyyslääketiede, Jyväskylä, Duodecim.

In English:

Watson, J.D., Hopkins N.H., Roberts J.W., Steiz J.A., Weiner A.,M. Molecular biology of the gene.

Micklos, D., Freyer, G. & Crotty, D. 2002. DNA Science A first Course, second edition, New York, Cold Spring Harbor Laboratory Press.

Kreuzer, H & Massey, A. 2008. Molecular Biology and Biotechnology, third edition, A Guide for Teachers, Washington, USA

Previous courses completed:

Anatomy and physiology 1 and 2; Laboratory equipment and working habits 1 and 2; Sampling 1 and 2; Molecular and cell biology 1

Contact Person: Marko Björn, Mr, MSc, Senior Lecturer

CLINICAL MICROBIOLOGY, VIROLOGY AND GENE TECHNOLOGY, 5 ECTS (Inc. practice 2,5 ECTS)

Code: TWPBG2

Credits: , 5 ECTS (Inc. practice 2,5 ECTS)

Language of teaching: English

Learning Objectives:

- be able to carry out gene technological research in clinical microbiology applied in accordance with the laboratory of the research process
- be able to take advantage of associated research methods and information technological knowledge and will be able to assess the work in accordance with quality standards
- to know the laws and regulations related to infectious diseases and is able to take them into account in their work
- be able to evaluate their own work and are able to work together as a member of the working community multi-culturally and internationally
- adhere to the quality of management and labor and the principles of patient safety
- is familiar with the methods of analysis in the field and has the technical know-how
- to combine the use of molecular biology laboratory research utilizing knowledge from microbiology knowledge of microbial molecular level

Core content:

- suitability and usability of bacteria in gene technology
- the adequacy of viruses and their use in combination - DNA technology

- various applications of the use of viruses
- microbiological, virological and genetic technological applications in the clinical environment (ELISA, RT-PCR / PCR, cell cultures and special stains)

Assessment: Participate in lecture, practices, networks, accomplish assignments, examination and report of practices

Grading Scale: 0–5

Study material: A list will be provided at the beginning of the course

Prerequisites: Clinical microbiology and parasitology, Molecular biology and Gene technology

Contact Person: Anssi Mähönen Mr, PhD, Senior Lecturer

CLINICAL PRACTICE: CLINICAL CHEMISTRY

Code: TWPBCC9

Language of teaching: English

Credits: 5 ECTS

Learning Objectives: To familiarise with clinical laboratory analysis process when planning and implementing clinical chemistry analyses according to quality assurance principles.

Core content:

- Urine analysis: clinical chemistry and microscopy, clinical chemistry analysis with automation, protein electrophoresis, drug and hormone analysis for quality assurance.
- Laboratory information system.
- Quality assurance in clinical chemistry examinations
- Patient and laboratory safety.

Assessment: Clinical practice and learning diary.

Grading Scale: failed/passed

Study Material: International literature that is informed later.

Prerequisites: TBKKE1 Clinical chemistry 1

Placements: ISLAB (Eastern Finland Laboratory Centre Joint Authority Enterprise)

Contact Person: Anssi Mähönen Mr, PhD, Senior Lecturer

CLINICAL PRACTICE: CLINICAL HEMATOLOGY AND IMMUNOHEMATOLOGY

Code: TWPBCH91

Language of teaching: English

Credits: 5 ECTS

Learning Objectives: To familiarise with clinical laboratory analysis process when planning and implementing clinical hematology and immunohematology analyses according to quality assurance principles.

Core content:

- Complete blood count, blood smear; hemoglobin, hematocrit, red blood cell (RBC) count, white blood cell (WBC) count, white blood cell differential count, platelet (PLT) count.
- Coagulation factor tests, erythrocyte sedimentation rate.
- ABO, Rh and other blood groups, antigen and antibody tests, cross matching
- Laboratory information system
- Quality assurance in haematological and immunohematological examinations
- Patient and laboratory safety

Assessment: Clinical practise and learning diary.

Grading Scale: failed/passed

Study Material: International literature that is informed later.

Prerequisites: TBKHEIM Clinical hematology and immunohematology, TBKHESY Clinical hematology and cytogenetic examinations

Placements: ISLAB (Eastern Finland Laboratory Centre Joint Authority Enterprise)

Contact Person: Sanna Kolehmainen, Ms, MSc, Senior Lecturer

CLINICAL PRACTICE: CLINICAL MICROBIOLOGY AND GENE TECHNOLOGY

Code: TWPBMI9

Language of teaching: English

Credits: 5 ECTS

Learning Objectives: To familiarise with clinical laboratory analysis process when planning and implementing clinical microbiology analyses according to quality assurance principles

Core content:

- Working principles of bacteriology, bacteriological cultivations, recognition of bacteria, and definitions of medicine sensitivity, indication of parasites, biochemical, immunological and gene technological applications in microbiological analyses
- Be able to take advantage of gene technology methods for microbiological examinations
- Isolation and purification methods of nuclein acids, PCR, gel electrophoresis, recombinant DNA techniques, hybridisation techniques, chromosome analysis
- Laboratory information system
- Quality assurance in microbiological examinations
- Patient and laboratory safety

Assessment: Clinical practice and learning diary.

Grading Scale: failed/passed

Study Material: International publications that is informed later

Prerequisites: TBKMI1 Clinical microbiology and parasitology, Clinical microbiology, virology and gene technology, Molecular biology and gene technology

Placements: ISLAB (Eastern Finland Laboratory Centre Joint Authority Enterprise)

Contact Person: Anssi Mähönen Mr, PhD, Senior Lecturer

CLINICAL PRACTICE: CLINICAL PHYSIOLOGY

Code: TWPBF9

Language of teaching: English

Credits: 5 ECTS

Learning Objectives: The student is able to familiarise with clinical laboratory analysis process when planning and implementing clinical physiology analyses according to quality assurance principles

Core content:

- Resting ECG registration
- Pulmonary function studies
- Clinical exercise test by national and international standards
- Laboratory information system
- Quality assurance and patient and laboratory safety

Assessment: Clinical practice and learning diary.

Grading Scale: failed/passed

Study Material: International publications that is informed later.

Prerequisites: TBKFY1 Clinical physiology 1

Placements: Kuopio University Hospital (KUH)

Contact Person: Leena Tikka, Ms, LicSc, Senior Lecturer

RADIOGRAPHY AND RADIATION THERAPY**RADIATION PROTECTION III**

Radiation protection III is a part of 6 credits Medical Radiation

Code: TWPRRP9

Language of teaching: English

Credits: 1 ECTS

Learning Objectives: After the course the student should be able to:

- Use of safety protection methods and equipment accordingly
- Be an expert in radiation protection

Core Content:

- National and international standards
- Harms for health
- General principles of radiation protection

Learning and Teaching Methods: Networks

Assessment: Networks

Grading Scale: 0-5

Study Material: Material on Moodle

Contact Person: Pirjo Leppäsaari, Ms, MSc, Senior Lecturer in Radiography

CLINICAL PRACTICE: CONVENTIONAL RADIOGRAPHY, CT, MRI

Code: TWPRCR9

Language of teaching: English

Credits: 11-18 ECTS

Learning Objectives: be able to

- Master basic conventional radiography, computed tomography and Magnetic Resonance imaging
- Guide patients and act according to radiography process
- Monitor patient's vital functions and to care patients at various ages
- Implement radiation safety and quality control in conventional radiography examinations

Core content:

- Imaging skeleton, spine, skull, lungs and abdomen
- Asepsis in radiography, Computed tomography, Patient care and guiding
- Radiation safety and quality control
- Contrast media

- Medical care
- Magnetic Resonance imaging

Assessment: Clinical practice and learning diary.

Grading Scale: Failed/passed

Placements: The student will be placed in Kuopio University Hospital depending on the availability of the practice possibilities and students own wishes

Contact Person: Tuula Partanen, Ms, MSc, Senior Lecturer

CLINICAL PRACTICE: RADIOTHERAPY

Code: TWPRRT9

Language of teaching: English

Credits: 6 ECTS

Learning Objectives: be able to

- Familiarise with the application fields of various cancer treatment methods as well as the side effects of radiation treatments
- Implement dose planning
- Place the patient in treatment position according to dose plan
- Use the equipment and instruments accordingly
- Implement radiation safety and quality control.
- Guide and care the patient during radiation treatment process

Core content:

- Radiotherapy process
- Dose planning
- Quality control

Assessment: Clinical practise and learning diary

Grading Scale: failed/passed

Placements: The student will be placed in Kuopio University Hospital depending on the availability of the practice possibilities and students own wishes

Contact Person: Tuula Partanen, Ms, MSc, Senior Lecturer

CLINICAL PRACTICE: NUCLEAR MEDICINE

Code: TWPRNM9

Language of teaching: English

Credits: 6 ECTS

Learning Objectives: be able to

- Master the basic radio isotope examinations
- Guide patients and act according to radiography process
- Monitor patient's vital functions and to care patients at various ages
- Implement radiation safety and quality control in radioisotope examinations

Core content:

- Static and dynamic radioisotope examinations
- Patient care and guiding Radiation safety
- Quality control

Assessment: Clinical practise and learning diary.

Grading Scale: Failed/passed

Placements: The student will be placed in Kuopio University Hospital depending on the availability of the practice possibilities and students own wishes

Contact Person: Tuula Partanen, Ms, MSc, Senior Lecturer

PHYSIOTHERAPY**PHYSIOTHERAPY METHODS****Code:** TWPFPM1**Language of teaching:** English**Credits:** 2 ECTS**Learning Objectives:** After the course the student should be able to:

- Use physiotherapy methods in different impairments and activity limitations of functioning
- Apply physiotherapy assessment methods and clinical reasoning in the selection of physiotherapy methods

Core Content:

- Therapeutic exercises

Learning and teaching methods:

Exercises, discussions, practical lessons

Assessment: Tasks and active participation**Grading Scale:** 0-5**Study material:**

- Hall, C. Brody, LT. 2005. Therapeutic Exercise: moving toward function. Lippincott Williams & Wilkins.
- Magee D. 2008. Orthopedic physical assessment. St. Louis: Elsevier Saunders.

Requirements: Participation, learning tasks.**Contact persons:** Marita Huovinen, Ms, MSc, Senior Lecturer, Airi Laitinen, Ms, LicSc, Principal Lecturer**CLINICAL PRACTICE: IMPLEMENTATION OF PHYSIOTHERAPY****Code:** TWPFIM9**Language of teaching:** English**Credits:** 9 ECTS**Learning Objectives:** After the course the student is able to:

- Use physiotherapy assessment methods and clinical reasoning in the selection of physiotherapy methods
- Apply physiotherapy methods in neurological, musculoskeletal, respiratory or cardiovascular diseases
- Evaluate the outcomes of physiotherapy in neurological, musculoskeletal, respiratory or cardiovascular diseases.

Core Content:

- Musculoskeletal Physiotherapy or/and
- Neurological Physiotherapy or/and
- Respiratory and Cardiovascular Physiotherapy or/and
- Pediatric physiotherapy or/and
- Geriatric physiotherapy.

Learning and Teaching Methods: Practice training (2-3 placements; 6 weeks)

Assessment: Active participation

Grading Scale: 0-5

Contact Person: Tuija Sairanen, Ms, MSc, Senior Lecturer

NURSING**CLINICAL PRACTICE: CHILDREN'S AND ADOLESCENT'S NURSING****Code:** TWPNCA9**Language of teaching:** English**Credits:** 7 ECTS**Length:** 5 weeks (185h)**Learning Objectives:** After child and adolescent nursing professional practice the student within the limits of language barrier should be able to:

- Pay attention to children's rights, ethical guidelines of nursing, legislation and cultural issues while working with children, adolescents and families
- Identify the growth and development of children and adolescents and factors influencing on them.
- Recognize needs related to the growth and development of children and adolescents
- Identify and implement the healthy nutrition of children and adolescents
- Describe the effects of illness and hospitalization on children, adolescents and family members
- List health threats and problems of children and adolescents
- Empower children, adolescents and family in health and welfare issues
- Master the most common nursing methods and equipments used in observation and care of children and adolescents
- Master calculation needed in fluid- and pharmacotherapy
- Implement fluid- and pharmacotherapy safely
- Assess and relieve the pain of children and adolescents by using different methods and procedures.
- Use play as a nursing method
- Master advanced life support of infants and children and describe the care issues involved with children's acute situations

Learning and Teaching Methods: Performed practice training in selected placement (185h/5 weeks). Critical incident discussions with mentoring teacher and student peers**Assessment:** Learning assessment by using placement assessment tool: pass/fail (mentoring nurse and self assessment).**Grading Scale:** Failed / passed**Prerequisites:** Bachelor in Nursing 2nd or 3rd year

Practical placements in Kuopio University Hospital:

- Children's Neurological Outpatient clinic and ward
- Children's Oncology and Haematology wards
- Children's Acute ward
- Neonatal Intensive Care Unit (NICU)
- Children's Surgical Ward

Contact Person: Helena Pennanen, Ms, MNSc, RN, Senior Lecturer.

CLINICAL PRACTICE: COMMUNITY HEALTH PROMOTION

Code: TWPCHP9

Language of teaching: English

Credits: 7 ECTS

Length: 5 weeks (from Monday to Thursday, making Community analysis on Friday 5 hours / independently). Our student practices 32 hours x 5 = 160 hours .

Prerequisites: 2nd or 3rd year

Learning Objectives: When completing the community health promotion practice course, the student is able to respond to the following questions within the limits of the language barrier:

Health promotion:

- What are the national health problems/challenges/strengths of Finnish people?
- How can I empower Finnish people for health and wellbeing?
- Where (service system) and how (methods) is health promotion conducted in Finland?

Decision making:

- Can I practice naturally and flexibly in the home care environment or in doctor`s appointment?

Patient education:

- Can I use health promotions techniques in interaction with clients?
- Are worrying life-situations of clients concern to me?

Collaboration:

- Can I interact as a member of a multicultural team?
- Do I know the principles of the Ottawa Charter and their impact in the political decision making on national and international levels?

Clinical:

- Can I use appropriate nursing methods in the home care environment or in doctor`s appointment?

Pharmacotherapy:

- Can I assess the medication of an elderly client?

Assessment: The students will be practicing in one of the community Social and health centres of North-Savo including the following services: community doctor's office, home health care, maternity/child health care and school health care

Course requirements:

- Performed practice training in the selected placement units (185 h / 5 weeks)
- Implementing the community analysis assignment.

Evaluation: Placement evaluation by using the placement performance evaluation tool
Community analysis assignment evaluation by using the scale (Fail/ K5)

Contact Persons: Helena Pennanen, Ms, MNSc, RN, Senior Lecturer.

CLINICAL PRACTICE: MENTAL HEALTH AND ADDICTION NURSING

Code: TWPNME91

Language of teaching: English

Credits: 7 ECTS

Length: 5 week (185h)

Learning Objectives: When completing mental health nursing professional practice, development on the following areas has taken place within the limits of the language barrier.

- **Ethical:** Student reflects the ethical dilemmas connected with mental health and addiction nursing. Student reflects with others the stereotypes and negative attitudes connected with mental illness and substance abuse.
- **Patient education:** Student can conduct health education/patient counselling among mental health clients or clients with substance abuse within the limits of the language barrier.
- **Collaboration:** Student can interact as a member of a therapeutic community. Student can interact as a member of a multiprofessional team and network.
- **Multicultural:** Student understands the meaning of culture and sub-cultures in the context of mental health nursing and nursing people with addictions.
- **Research:** Student can search for and utilize appropriate nursing research.
- **Clinical:** Student can carry out one-to-one therapeutic relationship with a client and utilize staff counselling within the limits of the language barrier.

Prerequisites: Level: Bachelor in Nursing; 2nd or 3rd year

Placements: The student may select one from the following placements

- Mental health units among adults, adolescents or children
- Community mental health unit
- Hospital or community unit for addictions

Course requirements:

- Performed practice training in the selected placement unit (185 h / 5 weeks)
- Teaching session for the staff
- One written critical incident analysis
- Course feedback

Evaluation:

- Placement evaluation by using Clinical study practice evaluation tool: pass/fail
- One written critical incident analysis: pass/fail
- Course feedback: pass/fail

Contact Persons : Helena Pennanen, Ms, MNSc, RN, Senior Lecturer.

CLINICAL PRACTICE: ADULT SOMATIC HEALTH NURSING**Code:**

- Medical ward: TWPNMW9
- Surgical ward: TWPNSW9
- Operating theatre: TWPNOT9
- Intensive Care Unit: TWPNIC9
- Nursing of the Eldery: TWPNNE9

Language of teaching: English

Credits: 7 ECTS

Length: 5 week (185h)

Learning Objectives: When completing adult somatic health nursing professional practice, development on the following areas has taken place within the limits of the language barrier:

- Know the values and principles of nursing and ability to apply knowledge in internal medicine/perioperative nursing.
- Analyse, design, implement and evaluate internal medicine/perioperative patients care needs.
- Know the patient´s vital signs checking, testing, maintenance and management.
- Maintain the principles of aseptic operation.
- Maintain the internal medicine and perioperative nursing activities.
- Secure the patient's medication, fluid therapy and blood transfusion criteria, and is dominated by drug calculation.
- Understand the importance of patient education and knows the different methods in the treatment process at different stages.

- Understand and use the multi-professional co-operation as an essential way of internal medicine and perioperative patient management.

Learning and Teaching Methods: Practice in a ward.

Assesment:

- Performed practice training in the selected placement(s) (185 h / 5 weeks).
 - Placement evaluation by using the placement performance evaluation tool: pass/fail.
- Teaching session to the clinical staff (plan and evaluation according to the instructions).
 - Teaching session self and peer evaluation: pass/fail.
- Self-assessment and learning diary (in the Moodle learning environment according to the instructions).
 - Self-assessment and learning diary: pass/fail.

Prerequisites: Bachelor in Nursing; 2nd or 3rd year

Contact Person : Helena Pennanen, Ms, MNSc, RN, Senior Lecturer.

Placements: The student will be placed in 1 of the following placements depending on the availability of the practice possibilities and students own wishes:

- Medical ward
- Surgical ward
- Operating theatre
- Intensive Care Unit
- Nursing of the Eldery

ORAL HEALTH CARE**GENERAL DISEASES AND ORAL HEALTH****Code:** TWPDDO1**Language of teaching:** English**Credits:** 3,5 ECTS**Learning Objectives:** Studies provide the student with knowledge of different diseases and medication associated with oral health, capability of producing individual treatment plan when the patient is suffering from general disease.**Core Content:** General disease and medication affecting oral health such as cardiovascular disease, osteoporosis and arthritis, diabetic syndrome and thyroid disease, renal failure and hepatic disease, eating disorders, bronchial asthma, viral hepatitis and acquired immunodeficiency syndrome (AIDS), epileptic disorder and Parkinson`s disease, cancer, skin- and anemic illness. Patient case.**Forms of instruction:** online studying, active participation in contact lessons, exercise (obligatory)**Assessment:** Final exam, networks and exercises.**Grading Scale:** 0-5**Study Material:** Material on Moodle. Literature: Darby, L.D., Walsh, M. 2009. Dental hygiene theory and practice. W.B. Saunders company (given pages)**Contact Person:** Tarja Ruokokoski, Ms, Dent. Lic.**CLINICAL PRACTICE: CLIENT-CENTRED ORAL HEALTH CARE****Code:** TWPDO9**Language of teaching:** English**Credits:** 8 ECTS**Learning Objectives:** The student is able to:

- Design, implement and evaluate the oral health care of parodontological patient
- Know how to make cariological examination and investigate the patient's oral mucosa
- Do radiological examinations
- Know about oral health care ethics (values, principles) and the legal aspects and is able to take them into account in creating the therapeutic relationship
- Work with client service, patient work and instrument service as member of nursing team
- **Core Content:**
 - Dental hygienist ethical guidelines
- Oral health and lifestyle surveys (oral hygiene, eating habits)
- Oral health examinations (cariological and parodontological)

- Radiological examinations
- Parodontological oral health care activities
- Oral health promotion

Assessment: Participation

Learning and Teaching Methods: Practice training

Grading Scale: 0-5

Assessment Criteria: Assessment criteria will be explained in the beginning of the course.

Contact Person: Senior Lecturer Tarja Ruokokoski, Dent.Lic., Principal Lecturer Kaarina Sirviö, PhD.