

INTERNATIONAL SEMESTER IN NURSING, AUTUMN 2019

Important to bear in mind:

- These are preliminary course lists, meaning that some changes might occur
- You can choose additional courses from the list Courses suitable for all Exchange Students
- The autumn semester dates 28.8.-20.12.2019
- 1 ECTS = 27 hours of student work
- Please note: We have very restricted opportunities to organize clinical practice for exchange students.

Course name (see the course descriptions below the courselist)	ECTS	code
<u>Research Development and Innovation Competence KEHI</u>	5	7031496 -3015
<u>Oncology Nursing and Palliative Care SYPHO</u>	3	7031492 -3011
<u>Nursing of Acute and Intensive Care Patients NAIC</u> - Intensive Care Nursing 2 ECTS TEHO - Accident and Emergency Nursing 2 ECTS PÄEN - Specialist Nursing of Perioperative Patients 1 ECTS PEVA Note! Starts in week 34 / Mon 19.8.-	5	7091022 -3002
<u>Advanced Nursing Training in Simulated Situations SYSI</u>	5	7091025 -3002
<u>Care Need and Needs Based Empowering Nursing HOTA</u>	2	7031485
<u>Nursing Philosophy and Evidence Based Practice HOFI</u>	2	7031482
<u>Surgical Nursing KIHO</u>	2	7031489
<u>Perioperative Nursing PEHO</u>	2	7031490
<u>Mental Health and Substance Abuse Nursing MIPÄ</u>	2	7031491
<u>Reception Duties, Outpatient Care, Empowering Nursing of Elderly Patients VAASI</u> Gerontological nursing	2	7031493
<u>Oncological Nursing SYPHO</u>	2	7031492
<u>Child, Adolescent and Family Nursing LANU</u> - Child, Adolescent and Family Nursing 1 ECTS LANU - Disability and Disabled Care 1 ECTS LANU	2	7031495
<u>Internal Medicine Nursing SIHO</u>	2	7031487
<u>Clinical Physiology and Clinical Laboratory Tests KLFL</u> Theory and skills lab 2 ECTS	2	7031488
<u>Promotion of Sexual and Reproductive Health and Family Nursing SELINA</u>	2	7031494

<u>Research, Development and Innovation Competence KEHI</u>	2	7031496
Common courses for all exchange students		
<u>Finnish for Exchange Students</u>	1000474	3
<u>Get Finternational</u>	1000393	3
<u>Cultural Experiences</u>	1002321	3

COURSE DESCRIPTIONS:

Research Development and Innovation Competence KEHI / 5 ECTS

Competence objectives of study unit

Research, Development and Innovation Competence 5 cr KEHI

Students will understand the nature of health care development and the health care research process and know how to use related information seeking, analysis and reporting methods. Students will know how to use research and development methods. Students will learn to interpret basic statistics used in quantitative research. Students will understand the progress/structure of content analysis and specification used in qualitative research. Students will learn to use spreadsheet applications to analyse and report on material. Students will be able to serve as customer and nursing experts in various teams and projects. Students will understand the principles of project work and know how to apply them in working life-oriented and multidisciplinary projects (RDI)

Content of study unit

Objectives of research and development activities. Key concepts: development work, development, basic research, applied research, investigative development, project. The ethical and legal premises of investigative development. Stages of a development project. Data, evidence and evidence-based development. Research methods. Collection, processing and analysis of material. Reliable and ethical research. Statistical methods and tools in the processing of nursing and health care material and in development work. Planning and reporting on research and development work.

Oncology Nursing and Palliative Care SYPHO / 3 ECTS

Competence objectives of study unit

Oncology Nursing and Palliative Care 3 cr SYPHO

Students will

- Learn to nurse patients with different types of cancers in various environments
- Become familiar with the main treatment methods used for cancer patients and in palliative care
- Know how to support the functional capacity, well-being and quality of life of cancer patients and work with customers and their family members as a member of a multiprofessional team
- Know how to assist cancer patients and their family members in safety and decision-making
- Become familiar with the safe and effective administration of pharmacotherapy for cancer patients and patients in need of palliative care
- Know how to provide humane palliative care to incurably ill and long-term patients, as well as to support their family members

Content of study unit

Oncology Nursing

Palliative and End-of-Life Nursing

- Current state of cancer treatment
- Procedures and assistance methods used in the treatment of cancer patients
- Safe implementation of cancer treatment
- Services and health support for cancer patients and patients in need of palliative care
- Ethical challenges in the treatment of cancer patients and patients in need of palliative care

Oncology and Pharmacology 1 cr

- Common cancers, their examination and treatment

Acute, Emergency and Intensive Care Nursing AKTE / 4 ECTS

- Intensive Care Nursing 3 ECTS TEHO
- Acute and Emergency Nursing 2 ECTS PÄEN

Competence objectives of study unit

NURSING OF ACUTE AND INTENSIVE CARE PATIENTS 5 CR NAIC

Objectives: The student shall be able to

- master the determination, planning, implementation and evaluation of treatment needs of patients in acute and intensive care.
- have an understanding of the nature of acute and intensive care treatment and their operating environment
- support the patient's and his or her family members' coping using various nursing methods.
- observe the patient's vital functions and overall condition as well as draw conclusions on information received.
- master the essential treatment methods required in acute and intensive care nursing, treatment-related technology and creating a safe treatment environment.
- improve his or her competences in the drug and infusion treatment of an acute and intensive care patient
- master the determination, planning, implementation and evaluation of treatment needs of patients in specialist perioperative care.
- improve his or her knowledge and skills in specialist nursing taking place in surgical operating units
- master the essential treatment methods required in specialist nursing of perioperative patients, treatment-related technology and creating a safe treatment environment.
- improve his or her competences in medicinal and infusion treatment of surgical patients
- describe the emergency and critical care service and system as part of specialist health care, the tiered structure of emergency and critical care and the significance and interdependence of the different stages of the emergency and critical care pathway
- use the Finnish Authority Radio Network (VIRVE) as a means of communication in emergency and critical care and emergency clinics and describe co-operation with the authorities from the perspective of emergency clinic and emergency and critical care work
- master the key treatment methods required in emergency and critical and emergency nursing, treatment-related technology and creating a safe treatment environment.
- interview and examine the patient in an emergency and critical care situation and emergency nursing, recognise needs of treatment in the acute stage, administer the necessary treatment, document and report it and assess the treatment process provided
- request care instructions when needed
- safely carry out medicinal treatment to an accident and emergency patient

Content of study unit

Intensive care nursing 2 cr TEHO

Contents:

- treatment of ventilator patients
- nursing of different emergency and intensive care patients

Specialist nursing of perioperative patients 1 cr PEVA

- Contents: Specialist perioperative nursing of various surgical patients

Accident and emergency nursing 2 cr PÄEN

Contents:

- Emergency and critical care service and service providers
- The VIRVE radio and its basic use
- Treatment processes of patients with different disorders and injuries in accident and emergency nursing

Advanced Nursing Training in Simulated Situations SYSI / 5 ECTS

ADVANCED NURSING TRAINING IN SIMULATED SITUATIONS 5 cr ATSS

The student shall be able to act justifiably in a care team of a patient requiring specialist care

Contents:

- simulation of treatment of internal medicine patients
- simulation of treatment of child nursing
- simulation of treatment of surgical patients
- simulation of treatment of perioperative patients simulation of treatment of intensive care internal medicine patients
- simulation of treatment of child nursing
- simulation of treatment of intensive care patients
- simulation of treatment of perioperative patients
- simulation of treatment of emergency and acute care patients
- simulation of the care pathway of specialist care adult patients
- simulation of nurse's independent admission or reception situation

Care Need and Needs Based Empowering Nursing HOTA / 2 ECTS

2 ECTS English part of a 4 ECTS course

Competence objectives of study unit

CARE NEEDS AND NEEDS-BASED EMPOWERING NURSING 4 CR HOTA

Objectives

- Students will learn how to interact with people from different cultures and assess their need for treatment, as well as to plan, provide and evaluate treatment.
- Students will know how to plan, provide and evaluate key nursing functions.
- Students will know how to evaluate the impact and effectiveness of treatment.
- Students will learn to document the different phases of the treatment process in accordance with regulations, using structured, harmonised classifications.
- Students will understand their responsibility for promoting patient safety.
- Students will know how to promote patient safety at all stages of the treatment process.

- Students will know how to provide first aid.
- Students will become familiar with the theoretical, philosophical, ethical and pedagogical premises of teaching and supervision.

Content of study unit

The study unit comprises 2 cr of studies offered in English

- Nurse-patient relationship, empowerment
- Goal-oriented nursing and its documentation
- The nursing process in decision-making regarding nursing - Identification of treatment needs
- Nursing plan and its implementation
- Evaluation of the effectiveness of treatment
- National model for structured documentation in nursing, legislation on documentation (the Drawing up and Handling of Patient Documents handbook)
- Key nursing functions and their appropriate provision: - Daily activities (functional capacity, self-care deficit)
- Vital functions and basic resuscitation
- Sensory functions
- Activity
- Nutrition and fluid balance
- Excretion
- Tissue integrity: treatment of chronic lesions
- Coping, mental balance
- Encountering death
- Team work
- Defining the need for, planning, providing, assessing and documenting teaching and supervision
- Ergonomics
- Patient safety:
- Areas of patient safety
- Safety of treatment environment, treatment and treatment procedures

Nursing Philosophy and Evidence Based Practice HOFI / 2 ECTS

2 ECTS English part of a 5 ECTS course

Competence objectives of study unit

NURSING PHILOSOPHY AND EVIDENCE-BASED PRACTICE IN THE NURSING PROFESSION 5 cr HOFI

Objectives

Students will

- Be familiar with the key concepts, values, ethical principles and guidelines in nursing
- Know how to apply the values and ethical principles of nursing, as well as to assess their realisation also in electronic services

- Be able to draw a line between private and professional communication roles in social media
- Understand the knowledge base of nursing
- Identify the responsibility and tasks of nurses
- Be familiar with evidence-based operations in nursing
- Know how to search for information using the most common health sciences databases

Content of study unit

The study unit comprises 2 cr of studies offered in English

- Key concepts of epistemology and ethics
 - The rights and self-determination of patients
 - Identification and handling of ethical problems
 - Ethical approach in nursing
 - Nursing science as a discipline
 - Evidence-based activities – concepts and bases for activities
 - Key treatment recommendations
 - Information seeking
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Surgical Nursing KIHO / 2 ECTS

2 ECTS English part of a 4 ECTS course

Competence objectives of study unit

Surgical nursing 5 cr KIHO

Objectives

Students will

- Become familiar with the most common surgical illnesses and the examination and treatment procedures used
- Understand the treatment path for surgical patients
- Gain insight into the foundations, special features and ethical requirements of the surgical treatment process of adult patients of different ages
- Learn to promote occupational and patient safety in the treatment of surgical patients
- Identify infection risks related to the treatment of surgical patients and know how to minimise them
- Learn to assess surgical patients' needs for care and changes in them, as well the course to follow in sudden events.
- Become proficient in evidence-based surgical nursing methods that support coping
- Learn to plan, administer and evaluate safe and effective medication and fluid therapy for surgical patients
- Know how to plan, carry out and assess the guidance and education of surgical patients jointly with other experts, using a customer- or group-oriented approach
- Learn to use customer-driven education and guidance methods suitable for different situations
- Know how to ensure a current flow of information during the different treatment phases of surgical patients
- Learn to use health care technology in surgical nursing
- Know how to cooperate with patients and their family members as well as with other professional groups participating in the treatment of patients

Content of study unit

Contents

The study unit comprises 2 cr of studies offered in English

Surgical Nursing KIHO

Surgical Medicine and Pharmacology 1 cr KIFA

- Treatment path for surgical patients; elective and acute patient
 - Pre-, intra- and post-operative nursing
 - Most common illnesses requiring surgical treatment, their nursing and rehabilitation - Musculoskeletal diseases
 - Gastrointestinal surgical diseases
 - Urologic diseases
 - Pulmonary, heart and vascular diseases
 - Assistance methods used in the treatment of surgical patients - Personal guidance for patients and family members
 - Treatment of acute pain and the most common analgesics
 - Care of various surgical wounds and ostomies
 - Documentation of treatment
 - Fluid therapy and pharmacotherapy plan, calculation of fluid balance
 - Blood transfusion (elective surgical patient)
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Perioperative Nursing PEHO

Competence objectives of study unit

Perioperative nursing 4 cr PEHO

Objectives

Students will

- Understand the treatment path for perioperative patients
- Know how to describe the perioperative treatment process of adult patients
- Be able to work in multiprofessional surgical and anaesthetic teams at the different phases of perioperative nursing
- Become proficient in the fundamentals of surgical and anaesthetic nursing and learn to base their actions on the latest research information
- Understand the special features of medication and fluid therapy for perioperative patients
- Identify infection risks related to perioperative nursing and know how to minimise them
- Become familiar with the most common anaesthetic and analgesic methods
- Know how to prepare patients for anaesthesia and procedures
- Know how to use patient examination, monitoring and care instruments safely, interpret the resulting information and act accordingly
- Know how to report on and document the different phases of perioperative treatment
- Learn to identify the special features of guidance and support provided to perioperative patients
- Be aware of the safety risks in surgical and anaesthetic wards and know how to ensure safe activities
- Understand the tasks of anaesthetic nurses, circulating nurses and surgeon's assistants and identify the key instruments used
- Know how to use health care technology in nursing
- Be able to perform immediate postoperative observation in the recovery room

- Know how to describe the fundamentals of radiological examinations and radiotherapy
- Know how to prepare and protect patients for examinations and ensure their own safety

Content of study unit

The study unit comprises 2 cr of studies offered in English

Perioperative nursing PEHO

- Perioperative nursing (organisation, tasks and areas of responsibility in team work, care environment)
- Patient and occupational safety in the surgical ward, incl. infection prevention, instrument safety, reporting, documenting, use of checklists
- Team preparation before the procedure (instrument collection, surgical hand disinfection, sterile clothing)
- Patient preparation in the surgical ward (incl. operating position, disinfection of the area of operation)
- Operating positions
- Main instruments and surgical assistance
- Immediate postoperative observation in the recovery room

Anaesthesiology and Pharmacology 1 cr ANFA

- Anaesthetic procedures
- Observation and care of anaesthetised patient
- Medication and fluid therapy during anaesthesia and in the recovery room; drugs used in different anaesthetic procedures, anti-microbial prophylaxis, anti-nausea medication, fluid therapy during surgery

Radiography and Radiotherapy 1 cr RASä

- Radiological examinations and radiotherapy
- Radiation safety: Patient and occupational safety

Mental Health and Substance Abuse Nursing MIPÄ / 2 ECTS

2 ECTS English part of a 3 ECTS course

Competence objectives of study unit

Mental Health and Substance Abuse Nursing 4 cr MIPä

Objectives

Students will

- Become familiar with the mental health and substance abuse system and be able to work in a networked multiprofessional environment
- Know how to determine and document mental health and substance abuse patients' needs for care, plan and administer care, evaluate the effectiveness of care and draw the necessary conclusions
- Know how to promote occupational and patient safety in the treatment of mental health and substance abuse patients
- Understand how ethical guidelines, values, principles and legislation steer the treatment of mental health and substance abuse patients
- Be able to identify mental health and substance abuse patients' needs for care and know how to address problems and refer patients to suitable treatment

- Know how to use mental health and substance abuse treatment methods
- Understand the significance of the nurse-patient relationship and the role played by emotions, attitudes and personality in such a relationship.
- Know how to guide and support patients and their family members
- Know how to use health care technology in mental health and substance abuse nursing
- Know how to administer safe and effective pharmacotherapy in the treatment of mental health and substance abuse patients
- Have the resources to deal with aggressive or violent customers

Content of study unit

Psychiatry and Pharmacology 1 cr PSYFA

Nursing

- Mental health and substance abuse prevention - Ethical issues
- Core legislation
- Service system
- Methods of mental health nursing - Patient-nurse relationship
- Supportive therapy and psychoeducation
- Common psychiatric disorders and pharmacotherapy
- Crises and trauma
- Substance abuse nursing - Substance addiction
- Intoxicants
- Mini intervention
- Motivational interviewing
- Dealing with an aggressive or violent customer

Reception Duties, Outpatient Care, Empowering Nursing of Elderly Patients VAASI / 2 ECTS

Gerontological nursing

2 ECTS English part of a 4 ECTS course

Competence objectives of study unit

RECEPTION DUTIES, OUTPATIENT CARE, EMPOWERING NURSING OF ELDERLY PATIENTS 4CR VAASI

Objectives

Students will

- Learn to work in a customer-driven manner and support customers' systematic self-care and commitment to care
- Know how to assess the need for care and refer customers to the appropriate social and health services
- Know how to use electronic services to guide and treat customers
- Know how to select the customer-driven education and guidance methods best suited to the context
- Be able to work in a multiprofessional work community

- Know how to use communications technology in the guidance and treatment of customers
- Learn to identify the most common geriatric disorders and become familiar with their medical treatment
- Know how to assess and support the functional capacity and resources of elderly patients
- Be able to assess the patients' need for care
- Learn to plan, administer and evaluate safe and effective pharmacotherapy for elderly patients
- Know how to support and guide the family members regarding the treatment of elderly patients
- Adhere to ethical values and principles when nursing elderly patients and respect the life phase of elderly people
- Know how to work to ensure occupational and patient safety
- Be familiar with the national immunisation programme for adults and the vaccination of different groups and know how to administer vaccinations properly and safely
- Be able to identify infection risks related to reception duties and outpatient activities and know how to minimise them

Content of study unit

The study unit comprises 2 cr of studies offered in English

Gerontological Nursing 2 cr

- Aging-related changes
- Policy on the elderly and services for the elderly
- Evaluation of the functional capacity and resources of the elderly and provision of support in different environments
- Safe and effective administration of pharmacotherapy for the elderly
- Involvement of the family members in the treatment of elderly patients

Geriatrics and Pharmacology 1 cr

- Geriatric disorders
- Geriatric pharmacotherapy

Reception Duties, Home Nursing and At-Home Hospital Care 1 cr

- The roles and responsibilities of nurses in multiprofessional cooperation
- Assessment of the need for care
- Empowering patient guidance
- Telephone guidance
- Current special challenges in nursing
- Vaccinations for adults
- Customer service process and elements of good customer service
- Assessment methods for the quality and effectiveness of customer service and guidance, as well as the development of customer service, guidance and education

Oncological Nursing SYPHO / 1 ECTS

1 ECTS in English

Competence objectives of study unit

Objectives

Students will

- Learn to nurse patients with different types of cancers in various environments
- Become familiar with the main treatment methods used for cancer patients and in palliative care
- Know how to support the functional capacity, well-being and quality of life of cancer patients and work with customers and their family members as a member of a multiprofessional team
- Know how to assist cancer patients and their family members in safety and decision-making
- Become familiar with the safe and effective administration of pharmacotherapy for cancer patients and patients in need of palliative care
- Know how to provide humane palliative care to incurably ill and long-term patients, as well as to support their family members

Content of study unit

Contents

The study unit comprises 1 cr of studies offered in English

Oncology Nursing

Palliative and End-of-Life Nursing

- Current state of cancer treatment
- Procedures and assistance methods used in the treatment of cancer patients
- Safe implementation of cancer treatment
- Services and health support for cancer patients and patients in need of palliative care
- Ethical challenges in the treatment of cancer patients and patients in need of palliative care

Oncology and Pharmacology 1 cr

- Common cancers, their examination and treatment

Child, Adolescent and Family Nursing LANU / 2 ECTS

2 ECTS English part of a 4 ECTS course

- Child, Adolescent and Family Nursing 1 ECTS LANU
- Disability and Disabled Care 1 ECTS LANU

Competence objectives of study unit

Objective

Students will learn to support and promote the well-being of families with children.

Students will

- Learn to understand the rights of children and the principles of treatment of children and adolescents
- Know how to promote patient safety in the nursing of children
- Become familiar with the development of children at different stages and know how to support and promote the growth and development of a healthy child
- Know how to support and guide families with children in questions related to parenthood and identify related resources and risk factors

- Become familiar with common diseases of children and adolescents, as well as their prevention, treatment and rehabilitation methods
- Learn to identify delays/deviations in growth and development
- Know how to adopt a critical approach to searching for, using and evaluating evidence-based knowledge and use it to develop the nursing of children and adolescents
- Know how to determine and document the care needs of a child patient, plan and administer evidence-based nursing and evaluate its effectiveness
- Be able to use health care technology in the nursing of children and adolescents
- Become proficient in the principles of clinical examination of children
- Understand the principles of advanced resuscitation of children
- Know how to guide children and families in various situations related to health and disease
- Understand the pharmacological basics of children's medication and know how to administer pharmacotherapy and fluid therapy to children and adolescents safely and effectively
- Become familiar with the national immunisation programme for children, the vaccines and the vaccination of children and adolescents
- Know how to support the functional capacity of the developmentally disabled and disabled
- Become familiar with the main causes of developmental disability and related disorders
- Understand the special features of the nursing of the developmentally disabled and disabled at different stages of life
- Become acquainted with key legislation and the service system related to the nursing of the developmentally disabled
- Know how to help the families of disabled children cope and deal with everyday life
- Understand the status and rights of the developmentally disabled as health care customers and patients

Paediatrics and Pharmacology 1 cr

- Students will become familiar with the most common children's diseases and their treatment

Content of study unit

Child, Adolescent and Family Nursing 5 cr lanu

Child, Adolescent and Family Nursing 4 cr

Contents

- Legislation concerning children, children's rights and the ethical principles of the nursing of children
- Monitoring of the growth and development of a healthy child and adolescent
- Forms and methods of family nursing
- The most common surgical disorders, infectious diseases and long-term illnesses of children and adolescents, their treatment and rehabilitation in accordance with the process
- Delays/deviations in the growth and development of children and adolescents
- Current evidence-based literature related to the field
- Documentation in accordance with the nursing process
- Clinical examination of child patients and the use of various assessment methods to support care-related decision-making
- Preparation of children for procedures
- Assessment of children's pain and pain management

- Advanced resuscitation of children
- Different guidance and education methods and the use of play in treatment
- Pharmacology of children and adolescents, various ways to administer medication, monitoring of the effectiveness of medication and guidance of pharmacological treatment
- National immunisation programme for children
- Planning, administration and evaluation of fluid therapy for children

Paediatrics and Pharmacology 1 cr

The study unit comprises 2 cr of studies offered in English

Disability and Disabled Care 1 cr

Contents

- Causes of developmental disability and related disorders
- Provision of support for the functional capacity and involvement of the developmentally disabled and disabled, as well as rehabilitation
- Special features of the nursing of the developmentally disabled and disabled
- Legislation and the service system related to the nursing of the developmentally disabled
- Provision of support for developmentally disabled and disabled children and adolescents and their families, as well as the status and rights of the developmentally disabled

Internal Medicine Nursing SIHO / 2 ECTS

2 ECTS English part of a 6 ECTS course

Competence objectives of study unit

Internal Medicine Nursing 6 cr SIHO

Objectives

- Students will become familiar with the treatment path of internal medicine patients.
- Students will know how to determine and document internal medicine patients' needs for care, plan and administer care, evaluate the effectiveness of care and draw the necessary conclusions.
- Students will be able to apply evidence-based knowledge at the different phases of nursing.
- Students will learn to promote patient safety in the treatment of internal medicine patients, identify the infection risks related to such treatment and take proper action to minimise the risks.
- Students will be able to identify and provide immediate first aid in sudden attacks of illness.
- Students will know how to support and give advice to patients and their family members about managing health problems and carrying out lifestyle changes required for common internal medicine disorders.
- Students can select the customer-oriented teaching and guidance methods, such as individual or group guidance, best suited to the context.
- Students will understand the impact of long-term illness in the life of an internal medicine patient.
- Students will know how to support the patient's self-care and commitment to treatment.
- Students will be familiar with the safe and effective administration of pharmacotherapy and fluid therapy to internal medicine patients.

- Students will know how to use health care technology in the treatment of internal medicine patients.

- Students will become familiar with the roles and responsibilities of different professional groups and will understand the importance of cooperation in maintaining and promoting the functional capacity of internal medicine patients.

Content of study unit

Contents

The study unit comprises 2 cr of studies offered in English

- Treatment paths of internal medicine patients, acute and long-term patient
- The most common illnesses requiring conservative treatment, their nursing and rehabilitation
- Nursing of heart disease patients
- Nursing of acute chest pain patients
- Nursing of acute respiratory deficiency patients
- Nursing of patients suffering from respiratory disorders
- Nursing of patients suffering from endocrine disorders
- Nursing of patients suffering from musculoskeletal disorders
- Nursing of patients suffering from neurologic disorders
- Nursing of patients suffering from intestinal disorders
- Nursing of patients suffering from kidney and liver disorders
- Assistance methods used in the treatment of internal medicine patients - Personal guidance for patients and family members
- Support for commitment to treatment
- Documentation of commitment
- Fluid therapy and pharmacotherapy plan and administration
- Documentation of treatment
- Advanced resuscitation

Clinical Physiology and Clinical Laboratory Tests KLFL / 1 ECTS

Clinical Physiology and Clinical Laboratory Tests 1 cr KLFL

- The most common laboratory tests (blood and urine tests)
- Preparation of patients and the importance of it
- Patient guidance during specimen collection
- Standardisation and quality management of specimen collection
- Collection of venous and skin puncture specimens
- Collection of urine specimens and chemical screening of urine
- Complications in specimen collection
- Storage and transportation of specimens
- Point-of-care testing and the quality management of point-of-care instruments

- Guidance of patients and preparation for examinations
 - The most common clinical physiology examinations (e.g., ECG registration)
 - Nursing in the administration of examinations
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Promotion of Sexual and Reproductive Health and Family Nursing SELINA / 2 ECTS

2 ECTS English part of a 4 ECTS course

Competence objectives of study unit

Promotion of Sexual and Reproductive Health, Family Nursing 5 cr SELINA

Objectives

Students will

- Learn to describe the content of sexual and reproductive health concepts and their significance in promoting the health of individuals and families
- Understand the key observation methods and health advice in the care of pregnant women
- Be able to describe the stages of a normal delivery and nursing methods
- Understand the basic care and observation of the mother during the postpartum period
- Learn to plan, administer and evaluate safe and effective pharmacotherapy for sexual and reproductive health
- Know how to use health care technology in the care of pregnant, parturient and postpartum women and gynaecological patients
- Know the most common high-risk diseases, their causes, symptoms and treatment
- Know the most common gynaecological disorders, their causes, symptoms and treatment
- Know the most common andrological disorders
- Be able to determine and document the objectives, methods, administration and assessment of care from the perspective of nursing
- Be able to take into account the cultural background and values of people as part of sexual and reproductive health
- Know how to support the involvement of customers in the promotion of patient safety

Content of study unit

Contents

Promotion of Sexual and Reproductive Health, Women's Care 4 cr SELINA

- Sexual and reproductive health of women and men and its promotion
- Monitoring and health advice during pregnancy
- Treatment process for a normal delivery
- Observation and care of the mother and healthy neonatal baby in the maternity ward
- Breastfeeding
- Contraception/emergency contraception

Obstetrics, Gynaecology and Pharmacology 1 cr SYNFA

- High-risk pregnancies
- Abnormal delivery

- Examination and care of gynaecological patients
 - Gynaecological procedures and operations
 - Gynaecological infections and venereal diseases
 - Gynaecological tumors
 - Pharmacology related to Sexual and Reproductive Health
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Research, Development and Innovation Competence KEHI / 2 ECTS

2 ECTS English part of a 5 ECTS course

Competence objectives of study unit

Research, Development and Innovation Competence 5 cr KEHI

Objectives

- Students will understand the nature of health care development and the health care research process and know how to use related information seeking, analysis and reporting methods.
- Students will know how to use research and development methods.
- Students will learn to interpret basic statistics used in quantitative research.
- Students will understand the progress/structure of content analysis and specification used in qualitative research.
- Students will learn to use spreadsheet applications to analyse and report on material.
- Students will be able to serve as customer and nursing experts in various teams and projects.
- Students will understand the principles of project work and know how to apply them in working life-oriented and multidisciplinary projects (RDI)

Content of study unit

Contents

- Objectives of research and development activities
- Key concepts: development work, development, basic research, applied research, investigative development, project
- The ethical and legal premises of investigative development
- Stages of a development project
- Data, evidence and evidence-based development
- Research methods
- Collection, processing and analysis of material
- Reliable and ethical research
- Statistical methods and tools in the processing of nursing and health care material and in development work
- Planning and reporting on research and development work