

DEGREE PROGRAMME IN NURSING, Vasa (Vaasa in Finnish)

Courses offered in the Academic Year 2020-2021

Courses are preliminary and subject to change

All courses are 3 ECTS each.

Fall Semester

NU20 (1st year)

NU15IA01	<p>Introduction to Academic Studies at Novia UAS</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain good insights into nursing as a profession - become familiar with teaching methods, rules and norms at Novia UAS, and prepare to participate in various teaching arrangements and settings - obtain fundamental knowledge of Peppi, Moodle and other platforms used at Novia UAS - adopt critical thinking and incorporate the idea of lifelong learning - be able to search for adequate literature - become familiar with sustainable development from an economical, ecological and social perspective
NU15IA02	<p>Swedish for Beginners</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - understand and use familiar everyday expressions and very basic phrases aimed at meeting specific needs - introduce him-/herself and others, as well as ask and answer questions about personal circumstances, such as living arrangements, friends, and possessions - interact with others in a simple way, provided that the other person talks slowly and clearly and is prepared to help
NU15RM01	<p>Integral Aspects of Nursing Research</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain the necessary IT-skills for information seeking and communication - obtain the necessary skills for academic writing and the presentation of written assignments - develop the ability to read, understand and produce academic texts in English
NU15BM01	<p>Anatomy and Physiology 1</p> <p>The student will:</p> <ul style="list-style-type: none"> - understand the structure and function of the locomotor system, as well as the anatomic position and the description of orientation - become familiar with cell biology, as well as different types of tissues, and understand their function - understand how the nervous system regulates physiological processes - understand the structure and function of the sense organs - understand how the endocrine system regulates body metabolism and organ functions - be able to apply the above mentioned knowledge to nursing care
NU15CC01	<p>The Nature and Ethics of Nursing</p> <p>The student will:</p> <ul style="list-style-type: none"> - develop an international perspective on nursing history

	<ul style="list-style-type: none"> - know central concepts of caring/nursing science - become familiar with nursing models, theories and traditions - become familiar with ethical theories, codes of ethics, ethical decision-making and ethical issues - obtain fundamental knowledge, and an understanding, of cultural differences, as well as the need for cultural sensitivity in all contact with people - will be able to apply cultural awareness, and respect for individual uniqueness, to nursing care
NU15BM02	<p>Anatomy and Physiology 2</p> <p>The student will:</p> <ul style="list-style-type: none"> - understand the function of different organ systems, such as blood circulation, respiration, digestion and the urinary system - understand how the lymphatic system works - understand the reproductive system - understand the body's fluid- and acid-base balance - be able to apply the above mentioned knowledge to nursing care
NU16BM03	<p>Clinical Microbiology</p> <p>The student will:</p> <ul style="list-style-type: none"> - master the terminology of clinical microbiology to the extent needed in nursing care - master aseptic methods - understand the concept of microbe and become familiar with the biology of different microbe groups, bacteria, virus, protozoa, and fungi - become familiar with the most common pathogens - understand the human microbiota (normal flora) and how microbes spread - have fundamental insights into the resistance development of bacteria, and understand the biology behind the resistance of bacteria - be able to apply course competences to the above mentioned fields of nursing care
NU15PH01	<p>Drug Therapy 1</p> <p>The student will:</p> <ul style="list-style-type: none"> - be able to apply Finnish laws and directives to drug therapy in nursing care, and will become aware of international regulations and trends related to the field - be able to implement asepsis in drug therapy - be able to define selected terms related to the administration of medications, and describe actions of drugs on the body - be able to identify different medication groups and become familiar with indications, interactions and the most common side-effects - will be able to observe and evaluate the effects of medication - is familiar with medication used in elderly care - recognize the steps used in safe administration of oral medication - know prescription regulations - master calculations needed in medical treatment, and will be able to dose and administer medication without error
NU15CT01	<p>Basic Nursing Skills 1</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - assess vital signs - employ aseptic technique - understand and manage nursing care when a patient is isolated due to illness reasons - support the patient's hygiene - demonstrate knowledge and perform skills in basic care, and in promoting physiological health (activity, exercise, sleep) - assist a client with nutritional matters - obtain knowledge about, and provide, oxygen therapy - know the importance of ergonomic working methods and show skills in moving and handling

	<p>patients</p> <ul style="list-style-type: none"> - demonstrate knowledge about skin integrity and different types of wounds, as well as perform skills in wound care
NU15CT02	<p>Basic Nursing Skills 2 continue spring 2020</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of, and demonstrates skill in, diagnostic testing, common blood tests and specimen collection and injections (S.C. and I.M) - obtain knowledge of the nurse's role when supporting the patient in the x-ray-situation - obtain knowledge about elimination, and demonstrate skills in helping a client with urinary and fecal problems (ss. catheterization and ostomy care) - obtain knowledge about altered nutrition and demonstrate skills in enteral nutrition

NU19 (2nd year)

NU15PH02	<p>Drug therapy 2</p> <p>The student will:</p> <ul style="list-style-type: none"> -master advanced drug therapy in nursing care and recognize personal responsibility in drug handling, pharmacokinetics and pharmacodynamics -know the active pharmaceutical ingredients -know the generic name for drugs used when treating the most common diseases -be able to manage the preparative procedures for intravenous (IV) therapy, endovascular treatment and blood transfusions, prepare for these procedures and treatments, and monitor the patient during and after IV-therapy and blood transfusion -master patient guidance and documentation related to drug therapy -understand the importance of safe drug therapy in relation to patient safety -master calculations needed in medical and infusion treatment, and be able to dose and administer medication without error
NU15IC02	<p>Perioperative Nursing Care</p> <p>The student will:</p> <ul style="list-style-type: none"> - know various types of surgery according to the purpose, degree of urgency and degree of risk - know how to apply the nursing process to surgical nursing care - know the different phases of the perioperative period - be able to identify the nursing responsibilities related to planning perioperative nursing care and preparing the patient for surgery - obtain knowledge about different types of anaesthesia - know the essential nursing assessments and interventions during the immediate postoperative phase - become familiar with complications related to surgery
NU15IC03	<p>First Aid and Crisis Management</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of different types of crises, as well as patient care in various emergency and crisis situations - obtain knowledge of the organization and administration of crises in the community and in the workplace - obtain knowledge of first aid, and be prepared to act in accordance with the requirements of the acute situation - obtain knowledge of acute psychiatric illness and be prepared to act in accordance with laws and regulations, as well as the requirements of the acute situation - become prepared to support the patient, as well as his/her family, in acute- and trauma

	<p>situations</p> <ul style="list-style-type: none"> - prepare to supervise and guide patients and personnel in crisis situations - become familiar with occupational safety and civil defence
NU15AF01	<p>Responses to Altered Hematological, Cardiovascular and Vascular Function</p> <p>The student will:</p> <ul style="list-style-type: none"> - be able to describe normal variations in cardiovascular assessment findings - be able to identify health problems related to cardiovascular, lymphatic, vascular or haematologic disorders - be able to use the nursing process as a framework for providing individualized care to patients with cardiovascular, haematological and vascular disorders - know how to prioritize the patient's needs for nursing care, act correctly on those, and document them based on the national guidelines and classification system - be able to explain nursing implications for medication and other treatments prescribed for haematologic disorders - be able to apply insights into altered haematological, cardiovascular and vascular functions onto all nursing contexts
NU15AF03	<p>Responses to Altered Endocrine and Sexual-Reproductive Function</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - identify health problems involving the endocrine system, the reproductive system and breasts - identify abnormal findings that may indicate an impairment of the endocrine system - use the nursing process as a framework for providing individualized care for patients with an endocrine or sexual-reproductive dysfunction - prioritize the patient's needs for nursing care, act correctly on those, and document them based on the national classification system - identify the risk factors and symptoms of the various types of diabetes - prepare for guiding the patient in health promotion and prevention of complications - identify the risk factors and complications related to STI - apply insights into altered endocrine and sexual-reproductive functions to all nursing contexts - can care for patients with gynecological infections, tumors, bleeding disturbances, early pregnancy complications - know and can give advice about family planning - have awareness of sexual aspects including infertility in the human being
NU15HS04	<p>Nutrition, Diets and Health Education</p> <p>The student will:</p> <ul style="list-style-type: none"> - be able to identify essential nutrients and their dietary sources - be able to describe normal digestion, absorption and the metabolism of vitamins, carbohydrates, proteins and lipids - be able to identify factors influencing nutrition - be able to identify nutritional variations throughout the life span - become familiar with eating disorders and therapies related to these - become familiar with diets related to illness and disease - be able to guide patients concerning nutritional issues - be able to apply evidence-based nursing care and the nursing process to nursing care related to nutritional problems
NU15AF04	<p>Responses to Altered Gastrointestinal Function and Urinary Elimination</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - identify health problems related to gastrointestinal or urinary elimination disorders - identify abnormal findings that may indicate alterations in the gastrointestinal system and urinary elimination system - identify risk factors and complications of disorders related to the gastrointestinal- or urinary elimination system - assess the patient's need for nursing care through adequate clinical and physiological assessments

	<ul style="list-style-type: none"> - prioritize the patient's needs for nursing care, act correctly on those, and document them, based on the national classification system - use the nursing process as a framework for providing individualized care to patients with gastrointestinal- or urinary elimination disorders - apply insights into altered gastrointestinal function and urinary elimination to all nursing contexts
NU15AF02	<p>Responses to Altered Integumentary, Neurologic, Eye- and Ear Function</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - identify health problems involving the skin, hair and nails - identify health problems involving the eyes and ears - identify health problems involving the neurologic function - identify abnormal findings that might indicate an impairment in the function of the eyes, ears or the integumentary system - use the nursing process as a framework for providing individualized care to patients with integumentary-, neurologic-, and eye- or ear disorders - prioritize the patient's needs for nursing care, act correctly on those, and document them, based on the national classification system - apply insights into altered integumentary-, neurologic- and eye and ear functions to all nursing contexts
NU15CT03	<p>Specialized Nursing Skills 1</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of, and demonstrate skills in, perioperative nursing, (preoperative assessment and evaluation, and postoperative and surgical nursing skills) - obtain knowledge of, and demonstrate skills in managing the fluid balance, focusing on intravenous and blood infusions, drainage and catheters - understand the importance of diagnostic investigations, x-rays, laboratory tests and ECG and be able to assist with these procedures - will be able to independently carry out a simple laboratory test when needed
NU15IC06	<p>Patient Safety and Quality Assurance</p> <p>The student will:</p> <ul style="list-style-type: none"> - understand the principles of safety control and know how to implement them in nursing care - obtain knowledge of X-ray diagnostics and its importance in patient care - know laws, regulations and directives concerning medical radiation - know the medical uses of radiation - obtain basic knowledge and skills regarding radiation, and will be able to minimize radiation risks - obtain basic knowledge of radiation protection for health professionals outlined in ST 1.7 (Säteilysuojelukoulutus terveydenhuollossa) - prepare to promote patient safety in all phases of the nursing process - prepare to prevent and identify quality deviations in all phases of the nursing process - understand the importance of confidentiality in all phases of the nursing process, and be able to act in accordance with such principles

NU18 (3rd year)

NU15HS05	<p>Home and Community Nursing Care</p> <p>The student will:</p> <ul style="list-style-type: none"> - become familiar with the organization of home care in Finland, and be able to define home care in different settings - be able to identify the essential aspects of the home visit - become aware of patient- and staff safety during home visits - be able to take care of the patient in a home environment while considering professionalism,
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	<p>confidentiality and courtesy</p> <ul style="list-style-type: none"> - be able to apply evidence-based nursing care, and the nursing process, in home- and community nursing care
NU15AF09	<p>Nursing Care for the Child, Adolescent and Family</p> <p>The student will</p> <ul style="list-style-type: none"> - obtain knowledge of the specific prerequisites related to caring for children, adolescents and their families - obtain knowledge of the specific prerequisites related to maternity care and can recognize normal pregnancy, birth and postpartum - can recognize and give immediate first aid/care in complications during pregnancy, birth and postpartum and refer patients without delay to maternity care facilities - obtain knowledge of the specific prerequisites related to neonatal care - obtain knowledge of specific health risks related to children and adolescents and prepare to guide the child, adolescent and family in their decisions regarding health-promotion - be able to use the nursing process as a framework for providing individualized care for patients, with consideration to the age-specific needs of the patient - be able to prioritize the patient's needs for nursing care, act correctly on those needs, and document them based on the national classification system - understand different cultural needs and learn to treat the patient, and the family, with dignity
NU15IC05	<p>Leading Managing and delegating in Nursing Care</p> <p>The student will:</p> <ul style="list-style-type: none"> - understand the meaning of internal entrepreneurship - obtain knowledge of occupational safety; its legislation, organization and function - become familiar with different forms of organization, as well as theories of organization and leadership in nursing - understand the individual's impact on organization and management in nursing - obtain knowledge about conflict management and become prepared to act in conflict situations - prepare to coordinate the patient's nursing care
NU15IC04	<p>Acute and Intensive Nursing Care</p> <p>The student will:</p> <ul style="list-style-type: none"> - prepare to implement the nursing process in acute and intensive nursing care - obtain knowledge of nursing care for patients in pain - obtain knowledge of nursing care for patients in chock - obtain knowledge of nursing care for patients with multiple health problems - obtain knowledge of nursing care for patients with trauma or multiple injuries - become prepared to care for patients with altered electrolyte- and fluid balance - become prepared to support the patient and his/her family in acute and intensive nursing care situations

Spring semester 2021

NU20 (1st year)

NU15ICo1	<p>The Nursing Process The student will be able to:</p> <ul style="list-style-type: none"> - understand and use familiar everyday expressions and very basic phrases aimed at meeting specific needs - introduce him-/herself and others, as well as ask and answer questions about personal circumstances, such as living arrangements, friends, and possessions - interact with others in a simple way, provided that the other person talks slowly and clearly and is prepared to help
NU15IAo3	<p>Finnish for Beginners The student will be able to:</p> <ul style="list-style-type: none"> - understand and use familiar everyday expressions and very basic phrases aimed at meeting specific needs - introduce him-/herself and others, as well as ask and answer questions about personal circumstances, such as living arrangements, friends, and possessions - interact with others in a simple way, provided that the other person talks slowly and clearly and is prepared to help
NU19BMo4	<p>Patophysiology for Nurses 1 The student will understand the concept of homeostasis and disease, the role of genes in health and disease and altered cell biology in disease</p>
NU15HSo2	<p>Health Promotion and Illness Prevention The student will:</p> <ul style="list-style-type: none"> - develop a holistic view of the human being - become familiar with health promotion throughout the life span - know the fundamental concepts of epidemiology, health and illness, and differentiates health promotion from health protection or illness prevention - recognize factors hazardous to health, and will be able to apply an individual approach to health promotion and prevention - be able to identify theoretical frameworks used in individual health promotion - be able to support health promotion and illness prevention for specific patient groups at risk - become familiar with different aspects of measuring health: subjective and objective measurements - become familiar with screenings, and be able to apply this knowledge to nursing care - understand the concept of health and lifestyle and be able to apply that to disorders linked to lifestyle - recognize the connection between illness and social factors
NU15HSo3	<p>Rehabilitation and Habilitation The student will:</p> <ul style="list-style-type: none"> - understand the concept of habilitation and rehabilitation from a social, physical and psychological perspective - become familiar with rehabilitation and habilitation at different ages - understand the organization and management of rehabilitation and habilitation in nursing, both nationally and internationally, and be able to apply it to patient guidance and nursing care - recognize different patient organizations acting in the field of rehabilitation and habilitation
NU15AFo8	<p>Gerontology and Geriatrics The student will:</p> <ul style="list-style-type: none"> - understand the process of natural ageing (physical, mental and social changes) - become prepared to assess caring needs that are specific for the elderly patient - obtain basic knowledge of health promotion, the prevention of diseases and disabilities in older adults, and use this knowledge for patient guidance.

	<ul style="list-style-type: none"> - obtain knowledge of specific diseases linked to older adults and their aetiology - obtain knowledge of specific issues regarding pharmacology and nutrition in elderly care, and prepare for the practice of safe drug administration - become prepared to care for the elderly patient in all nursing contexts
NU19BM05	<p>Patophysiology for Nurses 2</p> <p>The student will:</p> <ul style="list-style-type: none"> - understand the different causes behind diseases, and the pathophysiology of diabetes, thyroid disorders, atherosclerosis, neoplasia, electrolyte imbalance and edema

NU19 (2nd year)

NU15PH03	<p>Drug therapy 3</p> <p>The student will:</p> <ul style="list-style-type: none"> -know clinical pharmacology in a biomedical context -know the most common indications and contraindications for the use of medication -be able to identify interactions between different drugs -know drug therapy among all patient groups in different ages -know various types of pain medication -know medication used as anticoagulant therapy
NU15AF05	<p>Responses to Altered Musculoskeletal and Respiratory Function</p> <p>The student will be able to:</p> <ul style="list-style-type: none"> - identify health problems involving the musculoskeletal system and respiratory function - identify manifestations of impairment of the musculoskeletal system - use the nursing process as a framework for providing individualized care to patients with musculoskeletal and respiratory disorders - prioritize the patient's needs for nursing, act correctly on those, and document them, based on the national classification system - identify risk factors and complications of disorders related to the musculoskeletal system and respiratory function - apply insights into altered musculoskeletal- and respiratory function to all nursing contexts
NU15RM02	<p>A Theoretical Framework for Nursing Research</p> <p>The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of the fundamental philosophical theories underpinning nursing research - obtain knowledge of nursing theories that influence nursing research and nursing care - become familiar with the tradition and development of Caring Science - its history and future - be able to integrate basic knowledge of ontology, epistemology and the ethos of Caring Science into different modules of clinical caring and nursing
NU15IC07	<p>Oncological Nursing Care</p> <p>The student will:</p> <ul style="list-style-type: none"> - be able to define cancer and differentiate benign from malignant neoplasms - be able to describe the theories of carcinogenesis - be able to explain carcinogens and identify risk factors for cancer - be able to compare the mechanisms and characteristics of normal cells to those of malignant cells - be able to describe the physical and psychosocial effects of cancer - become familiar with patient organizations and community support for patients with cancer

NU15RM03	<p>Qualitative Research Designs The student will be able to:</p> <ul style="list-style-type: none"> - define qualitative research - describe sampling techniques in qualitative research - understand ethics in nursing research - discuss the major sources of qualitative data - explain analysis and interpretation methods with qualitative data - describe techniques used to evaluate research - understand how to use qualitative research findings in evidence based nursing care
NU15AF04	<p>Quantitative Research Design and Thesis Writing The student will:</p> <ul style="list-style-type: none"> - become familiar with the most common methods of quantitative data collection and analysis - be able to carry out simple statistical calculations and tests - become familiar with the research process and master the different phases of the process - prepare to carry out the thesis independently and under supervision
NU15AF06	<p>Responses to Altered Mental Health The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of the organization and management of mental health care on a national level, including the specific legislation concerning mental health care - be able to identify common mental health disorders - be able to use the nursing process as a framework for providing individualized care for patients with mental health disorders, and apply the specific features of mental health to all nursing contexts - be able to prioritize the patient's needs for nursing care, correctly act on these, and document them, based on the national classification system - become familiar with medication used in mental health care - be able to apply insights into altered mental health to all nursing contexts
NU15CT04	<p>Specialized Nursing Skills 2 The student will:</p> <ul style="list-style-type: none"> - demonstrate skills in assessing, implementing and evaluating the nursing process in different clinical settings - demonstrate a holistic perspective of nursing care in case studies - obtain knowledge of, and demonstrate skills in intraoperative nursing
NU15AF07	<p>Responses to Addictive Behaviour The student will:</p> <ul style="list-style-type: none"> - obtain knowledge of, and be prepared to apply, legislation and social control on to substance abuse - be able to identify the impact of substance abuse and addiction on society - be prepared to implement preventive working methods - be able to describe the specific features of different groups of substance abusers - be able to use the nursing process as a framework for providing individualized care for patients with addiction and substance abuse disorders - be able to prioritize the patient's needs for nursing care, act correctly on those needs and document them based on the national classification system - will be able to apply the specific features of addiction and substance abuse to all nursing contexts

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