

**Curriculum at LAB University of Applied Sciences  
2022-2023**

**Bachelor's Degree Programme in Emergency Care 22K, full-time studies, Lappeenranta**

Code	Name	1 y	2 y	3 y	4 y	ECTS total
<b>EH22KLPR-1001 Common studies</b>						<b>15</b>
AY00BT88	Developing Professional Competence 1	1				1
AY00BT89	Developing professional competence 2	0,5	0,5			1
AY00BT90	Developing Professional Competence 3			1		1
A300CE13	Orientation to Sustainability Thinking		2			2
KE00BT61	English for Work		4			4
KR00BU42	Swedish for Work, Spoken		1			1
KR00BU43	Swedish for Work, Written		1			1
KS00BT59	Expert Communication Skills	4				4
<b>EH22KLPR-1002 Professional Core Competence</b>						<b>150</b>
<b>EH22KLPR-1003 Common social and health care studies</b>						<b>15</b>
AH00BU26	Professional Base in Social and Health Care	5				5
AH00BU27	Research, Development and Innovation Competence in the Social and Health Care			5		5
AH00BU28	Leadership and Entrepreneurship Competence in Social and Health Care		5			5
<b>EH22KLPR-1004 Basics of professional nursing</b>						<b>20</b>
AH00BZ45	Principles of Nursing	5				5
AH00BZ46	Clinical Nursing Interventions	5				5
AH00BZ47	Basics of Anatomy and Physiology	5				5
AH00BZ48	Clinical Training in Basics of Nursing	5				5
<b>EH22KLPR-1005 Safe medical-surgical nursing</b>						<b>15</b>
AH00BZ50	Pharmacotherapy	5				5
AH00BZ49	Medical-Surgical Nursing	10				10
<b>EH22KLPR-1006 Self-care supporting medical-surgical nursing</b>						<b>15</b>
AH00BZ56	Medical-Surgical Nursing Interventions	5				5
AH00BZ57	Clinical Training in Medical-Surgical Nursing 1	10				10
<b>EH22KLPR-1007 Client-centered safe acute care</b>						<b>10</b>
AH00BZ58	Competence in Acute Care Nursing and Emergency Health Care		5			5
AH00CA76	Clinical Training in Self-Care Supporting Nursing		5			5
<b>EH22KLPR-1008 Basics of paramedic nursing</b>						<b>30</b>

AH00CA70	Emergency Care Services		5		5
AH00CA71	Examination of a Patient		5		5
AH00CA72	Basic Level Paramedic Nursing I		5		5
AH00CA73	Basic Level Paramedic II and Evaluation of Professional Paramedic Skills 1		5		5
AH00CA74	Clinical Training in Basic Level Paramedic		10		10
<b>EH22KLPR-1009</b>	<b>Customer-oriented mental health and substance abuse nursing</b>				<b>10</b>
AH00BZ60	Mental Health and Substance Abuse Nursing		5		5
AH00CA75	Clinical Training in Mental Health and Substance Abuse Nursing		5		5
<b>EH22KLPR-1010</b>	<b>Health promotion in nursing</b>				<b>5</b>
AH00BZ62	Promote Wellbeing and Health of Community			5	5
<b>EH22KLPR-1011</b>	<b>Multidisciplinary care for children, young people and families</b>				<b>10</b>
AH00BZ64	Child, Adolescent and Family Nursing			5	5
AH00BZ65	Clinical Training in Child, Adolescent and Family Nursing			5	5
<b>EH22KLPR-1012</b>	<b>Ethical Gerontological Nursing</b>				<b>5</b>
AH00BZ66	Gerontological Nursing			5	5
<b>EH22KLPR-1013</b>	<b>Nursing in emergency room</b>				<b>15</b>
AH00CA77	Nursing in emergency room			5	5
AH00CA78	Clinical Training in Emergency Care			10	10
<b>EH22KLPR-1014</b>	<b>Complementary Competence</b>				<b>60</b>
<b>EH22KLPR-1015</b>	<b>Advanced special studies in paramedic</b>				<b>30</b>
AH00CA83	Medical and Pharmacology in Emergency				0
AH00CA84	Anaesthesia and Intensive Care Nursing				0
AH00CA85	Clinical Training in Anaesthesia and Intensive Care Nursing			10	10
AH00CA86	Advance Level Paramedic Nursing III			5	5
AH00CA87	Evaluation of Professional Paramedic Skills II and Projects			5	5
<b>EH22KLPR-1016</b>	<b>Advance paramedic nursing</b>				<b>30</b>
AH00CA79	Measures and Guidance in Paramedic			5	5
AH00CA80	Advance Paramedic Nursing I			5	5
AH00CA81	Advance Paramedic Nursing II			5	5
AH00CA82	Clinical Training in Advance Level Paramedic			15	15
<b>EH22KLPR-1017</b>	<b>Thesis</b>				<b>15</b>
AO00BU44	Thesis Planning			5	5
AO00BU45	Thesis Project			5	5
AO00BU46	Thesis Report			5	5
<b>EH22KLPR-1019</b>	<b>Drug Calculations</b>				<b>0</b>
AH00CP58	Academic year medication calculations 2				0

AH00CP59	Academic year medication calculations 3						0
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## **EH22KLPR-1001 Common studies: 15 ECTS**

### **AY00BT88 Developing Professional Competence 1: 1 ECTS**

#### **Learning outcomes**

The student is able to

- plan their own learning and cooperate in situations related to their own field of studies
- recognize their own competence and the needs to develop them further and to plan their career path observing them
- act as a group member
- operate in the learning environments of LAB University of Applied Sciences
- picture their own field of studies and its future skills
- give feedback on tuition and services and thus participate in the development of education

### **AY00BT89 Developing professional competence 2: 1 ECTS**

#### **Learning outcomes**

The student is able to

- utilize various learning opportunities in curriculum
- recognize and aim their own competences to be in level with the future career requirements
- create a study plan that supports the future career goal
- give feedback on tuition and services and thus participate in the development of education

### **AY00BT90 Developing Professional Competence 3: 1 ECTS**

#### **Learning outcomes**

The student is able to

- identify themselves as a learner and develop their own learning skills
- evaluate innovative or alternative future competences required in their own field
- recognize and aim their own competences to be in level with the future career requirements
- masters the professional concepts of their own field and is able to point out their competencies during job recruitment processes
- give feedback on tuition and services and thus participate in the development of education

### **A300CE13 Orientation to Sustainability Thinking: 2 ECTS**

#### **Learning outcomes**

Identify and define central concepts and frameworks related to sustainability. Recognize the interconnectedness of economic, social and environmental sustainability issues. Understand and develop own individual role in driving sustainability.

#### **Evaluation criterias**

Level 1

Pass-Fail

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## **KE00BT61 English for Work: 4 ECTS**

### **Learning outcomes**

Proficiency level: B2

The student is able to

- communicate clearly and effectively in different generic and field-specific workplace situations both orally and in writing
- find, evaluate and use information effectively
- function collaboratively in international working environments.

## **KR00BU42 Swedish for Work, Spoken: 1 ECTS**

### **Learning outcomes**

The student is able to

- convey and validate arguments
- use vital field-specific vocabulary
- communicate essential matters about their education, work experience and tasks
- present their field-specific operational environment
- communicate in various working life situations in Swedish.

The student completes the Public Administration Language Test in Swedish.

## **KR00BU43 Swedish for Work, Written: 1 ECTS**

### **Learning outcomes**

The student is able to

- use vital field-specific vocabulary
- communicate essential matters about their education, work experience and tasks
- understand and produce various short texts related to studies and working life
- acquire information on their field in Swedish
- use online dictionaries.

The student completes the Public Administration Language Test in Swedish.

## **KS00BT59 Expert Communication Skills: 4 ECTS**

### **Learning outcomes**

Proficiency level: C2

The student masters Finnish language as a mother tongue in all professional spoken and written communication situations.

## **EH22KLPR-1002 Professional Core Competence: 150 ECTS**

## **EH22KLPR-1003 Common social and health care studies: 15 ECTS**

## **AH00BU26 Professional Base in Social and Health Care: 5 ECTS**

### **Learning outcomes**

The student is able to

- explain the organization of the social and health service system and describe the client's position in the social and health service system
- describe the values and ethical principles in their field as well as the key regulations governing operations
- describe the principles of evidence-based information and action
- identify factors of well-being and functioning at an individual and community level

## **AH00BU27 Research, Development and Innovation Competence in the Social and Health Care: 5 ECTS**

### **Learning outcomes**

The student is able to

- describe the most common research methods in the social and health field
- evaluate and analyze the ethical principles and reliability of research and development
- describe the stages of a research process
- explain the concept of innovation and utilize innovation in the development of one's own field
- use the most important research, development and innovation methods in their field in the implementation of the thesis

## **AH00BU28 Leadership and Entrepreneurship Competence in Social and Health Care: 5 ECTS**

### **Learning outcomes**

The student is able to

- compare different management approaches and their role in the management and development of a work community
- identify the characteristics and legislation of social and health management and personnel management
- describe economic monitoring indicators from the perspectives of cost-effectiveness, sustainable development and entrepreneurship
- describe the principles of quality work and apply the means of developing customer-centric services
- develop the well-being at work and the occupational safety of the work community

## **EH22KLPR-1004 Basics of professional nursing: 20 ECTS**

## **AH00BZ45 Principles of Nursing: 5 ECTS**

### **Learning outcomes**

The student is able to

- describe the scientific basis, values, ethical principles and guidelines of nursing
- identify different client groups in nursing
- describe the starting points and principles of customer guidance

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- list data protection and security requirements and social legislation for social and health care
  - explain the main principles of social and health documentation and plan the nursing process

### **AH00BZ46 Clinical Nursing Interventions: 5 ECTS**

#### **Learning outcomes**

The student is able to

- implement basic clinical nursing skills and interpret basic organ functions in a customer-oriented manner
- work ergonomically and follow occupational safety instructions in nursing
- describe the basics of microbiology and the principles of infection control
- explain the principles of patient safety
- calculate the dosages of drugs used in pharmacotherapy and understand their responsibility for the correctness of the calculations

### **AH00BZ47 Basics of Anatomy and Physiology: 5 ECTS**

#### **Learning outcomes**

The student is able to

- identify and explain the structure, function and regulation of the organ systems of the human body
- examine a patient using basic nursing skills
- give first aid

### **AH00BZ48 Clinical Training in Basics of Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- act in accordance with the ethical and sustainable principles of nursing
- implement professional interaction in customer-oriented nursing
- implement basic nursing skills in promoting the client's health
- assess the client's state of health and plan client-oriented nursing work

### **EH22KLPR-1005 Safe medical-surgical nursing: 15 ECTS**

### **AH00BZ50 Pharmacotherapy: 5 ECTS**

#### **Learning outcomes**

The student is able to

- identify the legal and ethical responsibilities of the nurse in pharmacotherapy
- carry out pharmacological treatment safely and evaluate the effect of pharmacological treatment
- list the pharmacological mechanisms of action, disadvantages and contraindications of medicines used to treat the most common diseases
- justify the choice of the medicinal product in terms of drug properties, drug interactions and compliance
- guide the client in the implementation of medication

**AH00BZ49 Medical-Surgical Nursing: 10 ECTS****Learning outcomes**

The student is able to

- define primary treatment paths and processes of a medical-surgical and perioperative client
- assess the treatment needs of a medical-surgical client and implement key nursing measures
- apply knowledge of the primary medical-surgical diseases in nursing care
- apply knowledge of pathophysiology and pharmacology in medical-surgical nursing care and safe pharmacology

**EH22KLPR-1006 Self-care supporting medical-surgical nursing: 15 ECTS****AH00BZ56 Medical-Surgical Nursing Interventions: 5 ECTS****Learning outcomes**

The student is able to

- guide the internal medicine-surgical client at different stages of the treatment path
- implement nutrition treatment and guidance in a multi-professional manner
- support self-care of the internal medicine-surgical client in the nurse's reception, home care and electronic services
- implement and justify key nursing measures
- carry out palliative nursing work

**AH00BZ57 Clinical Training in Medical-Surgical Nursing 1: 10 ECTS****Learning outcomes**

The student is able to

- plan, implement and evaluate the nursing care of an internal medicine-surgical client
- carry out the client's medication and fluid treatment safely
- implement nutritional treatment and guidance
- apply nursing methods and a rehabilitative approach safely at all stages of the nursing process
- promote a positive customer experience
- record the client's nursing process

**EH22KLPR-1007 Client-centered safe acute care: 10 ECTS****AH00BZ58 Competence in Acute Care Nursing and Emergency Health Care: 5 ECTS****Learning outcomes**

The student is able to

- evaluate the need of acute care and carry out treatment in different working environments
- evaluate the reasons, symptoms and treatment procedures that lead to changes in the state of a client in need of acute care
- encounter, support and guide a client in an acute crisis, and their loved ones
- describe the operating models of the authority cooperation and communication in exceptional and dangerous situations

- begin immediate emergency care
- describe the pathophysiology and pharmacotherapy of an acutely ill client

### **AH00CA76 Clinical Training in Self-Care Supporting Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- carry out nursing that supports the client's self-care in ambulatory and home care environments
- make independent decisions and justify them in a customer-oriented and evidence-based manner
- carry out multi-professional team work in a multicultural customer work
- recognize and evaluate risk factors that negatively affect health, functioning and work capacity as well as coping at work
- evaluate customer-oriented nursing care in reception work, electronic services and home care

### **EH22KLPR-1008 Basics of paramedic nursing: 30 ECTS**

### **AH00CA70 Emergency Care Services: 5 ECTS**

#### **Learning outcomes**

The student is able to

- identify the legislation governing emergency care and describe the operation of the emergency care system
- designate and cooperate with liaison bodies
- act safely as a member of the emergency department
- operate in a patient-safe and customer-oriented manner
- use first aid equipment and technology

### **AH00CA71 Examination of a Patient: 5 ECTS**

#### **Learning outcomes**

The student is able to

- perform targeted examinations according to the patient's various symptoms
- interpret the findings made and the measurement results obtained from the patient
- understand the basics of patient interviewing
- understand the basics of reporting / documentation
- combine theoretical knowledge (anatomy, physiology, pathophysiology) with the patient's symptoms and findings and deduce the occupational diagnosis

### **AH00CA72 Basic Level Paramedic Nursing I: 5 ECTS**

#### **Learning outcomes**

The student is able to

- apply test methods according to different symptom profiles
- identify the emergency patient and start immediate first aid
- carry out basic emergency care based on different occupational diagnoses
- understand the roles of co-operation authorities and the basics of radio traffic in the most common first aid situations



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- adhere to occupational safety and patient safety principles in their operations

### **AH00CA73 Basic Level Paramedic II and Evaluation of Professional Paramedic Skills 1: 5 ECTS**

#### **Learning outcomes**

The student is able to

- make a systematic assessment of the condition of a disabled patient
- distinguish between high- and low-risk injury mechanisms and understand their effects on the patient's condition and treatment planning
- select appropriate support, transfer and care equipment and methods and use them safely
- understand the roles of co-operation authorities and the basics of radio traffic in the most common first aid situations
- demonstrate mastery of the basic knowledge and skills required for basic care in emergency care and the ability to work safely outside the hospital

### **AH00CA74 Clinical Training in Basic Level Paramedic: 10 ECTS**

#### **Learning outcomes**

The student is able to

- apply the acquired knowledge and skills in basic level emergency care when examining a patient, evaluating their state and making an occupational diagnosis in an emergency care outside the hospital
- use the examination, care and patient's transfer equipment safely in emergency care
- function as a member of the care group in acute situations, familiarize themselves with the cooperation with the authorities in emergency care, and learn how to communicate with the VIRVE data terminal
- understand the whole system of the emergency care service in their training municipality and the meaning of the care provided by different units in the treatment of the patient
- work according to the main principles of emergency care in a patient-safe manner
- handle the first aid unit in a practice area or in traffic without a patient (if this is allowed in the placement organization)
- work independently in basic level emergency care in their own role and show initiative in daily station work, as well as adapt to the work community as a student member

### **EH22KLPR-1009 Customer-oriented mental health and substance abuse nursing: 10 ECTS**

### **AH00BZ60 Mental Health and Substance Abuse Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- create a therapeutic interaction in mental health and substance abuse treatment
- reflect one's own values and attitudes to the ethical principles of mental health and substance abuse treatment
- apply non-pharmacological and pharmacological methods of nursing
- identify mental health and substance abuse problems and understand the need for and stages of physical, mental and social care in different nursing settings

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- describe the symptoms of the most common psychiatric illnesses and disorders, the main features of the treatment, the methods of treatment and the significance for the client and society

### **AH00CA75 Clinical Training in Mental Health and Substance Abuse Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- meet mental health and substance abuse clients and their loved ones and look at interaction situations with theoretical and experiential knowledge
- assess the client's mental well-being and the need for rehabilitation
- implement pharmacological and non-pharmacological methods of nursing
- plan, implement and evaluate the care process of one's own care client
- implement mentoring and service counseling for mental health and substance abuse clients
- analyze the activities of the multidisciplinary working group and his/her own contribution to the working group
- evaluate one's own thinking, multidisciplinary decision-making criteria and work ethic

### **EH22KLPR-1010 Health promotion in nursing: 5 ECTS**

### **AH00BZ62 Promote Wellbeing and Health of Community: 5 ECTS**

#### **Learning outcomes**

The student is able to

- identify and assess the determinants of community health and well-being at an individual and community level
- assess the determinants of health inequalities from a sustainable development perspective
- evaluate and develop interventions to strengthen the client's resources in a multi-professional manner
- guide and support the client in vaccination decisions and in the prevention of infectious diseases in the tourist
- explain the diversity and importance of sexual health for well-being, identify risk factors and promote sexual health at different stages of life

### **EH22KLPR-1011 Multidisciplinary care for children, young people and families: 10 ECTS**

### **AH00BZ64 Child, Adolescent and Family Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- apply nursing methods in the planning, implementation and evaluation of care for children of different ages
- carry out safe treatment of children and adolescents with medicines, fluids and pain
- describe the most common pediatric diseases and their medical treatment
- identify key care pathways for children, young people and families
- identify service needs and refer customers to services

- identify the challenges of the well-being of diverse families and promote the well-being of families
- explain the progression and monitoring of pregnancy and childbirth

### **AH00BZ65 Clinical Training in Child, Adolescent and Family Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- plan, implement and evaluate the comprehensive nursing work of the child and the young person and his / her family in a multi-professional team
- professionally meet different families and children of different ages
- assess the resources of the child, the young person and his or her parents
- evaluate and develop working and working methods that promote the well-being of families
- assist in normal childbirth

### **EH22KLPR-1012 Ethical Gerontological Nursing: 5 ECTS**

### **AH00BZ66 Gerontological Nursing: 5 ECTS**

#### **Learning outcomes**

The student is able to

- assess the factors impairing the elderly's ability to function and prevent their impact on the client's well-being
- apply comprehensive geriatric assessment (CGA) in assessing the client's need for care and in the implementation of care
- describe the specific features of memory disorders in the planning, implementation and evaluation of treatment
- use technology to support a good quality of life and care for the elderly
- apply their knowledge of geriatric diseases in the planning, implementation and evaluation of nursing work

### **EH22KLPR-1013 Nursing in emergency room: 15 ECTS**

### **AH00CA77 Emergency Nursing Care: 5 ECTS**

#### **Learning outcomes**

Student can:

- assess the need for and urgency of the care of an emergency patient and justify the treatment they have chosen.
- carry out the clinical examination and treatment measures included in the nurse's job description and draw the necessary conclusions from them.
- compare the results of repeated measurements and relate them to the patient's clinical well-being.

### **AH00CA78 Clinical Training in Emergency Care: 10 ECTS**

#### **Learning outcomes**

Student can:

- apply learned paramedic knowledge and skills in acute patients care

- assess the patient's condition and be able to investigate, collect data, plan treatment, implement and evaluate effects
- record and report of acute patient care
- use safely the research and care equipment needed for on-call work and interpret the information they produce
- act as a member of a treatment team in acute situations and have become acquainted with the treatment protocols used in that unit (eg a patient with multiple injuries, a cerebrovascular patient)
- identify the importance of the care services provided by different work units in the patient's overall care and care process

### **EH22KLPR-1014 Complementary Competence: 60 ECTS**

### **EH22KLPR-1015 Advanced special studies in paramedic: 30 ECTS**

### **AH00CA83 Medical and Pharmacology in Emergency: 5 ECTS**

#### **Learning outcomes**

The student is able to

- deepen their theoretical knowledge of anatomy, physiology, pathophysiology, cardiology, neurology, traumatology, anesthesiology, pediatrics, and pharmacology
- explain / justify the decisions made in the care of an emergency patient based on the theoretical knowledge of the most important medical specialties
- is familiar with the mechanisms of action and side effects of key drugs used at the primary care level and in hospital acute care.
- to safely administer medication in emergency situations and in patient guidance, and to understand the mechanisms of the occurrence of the most common intoxications and pharmacological treatment.

### **AH00CA84 Anaesthesia and Intensive Care Nursing: 5 ECTS**

#### **Learning outcomes**

Student is able to:

- justify the care environment of the patient in the intensive care unit and understand the unit as part of the health care system
- analyze the importance of patient and occupational safety and their risks in intensive care work
- deepen previously learned knowledge and skills in the observation and care of a critically ill patient
- understand the special features of anesthesiology as part of intensive care work

### **AH00CA85 Clinical Training in Anaesthesia and Intensive Care Nursing: 10 ECTS**

#### **Learning outcomes**

The student is able to

- work as part of a multi-professional team, identify a sudden deterioration in the patient's condition and carry out intensive care patient monitoring and treatment.

### **AH00CA86 Advance Level Paramedic Nursing III: 5 ECTS**

**Learning outcomes**

Student is able to:

- evaluate and justify their own actions in paramedic situations
- make decisions in demanding paramedic situations
- manage the operations of the emergency department and be able to act as a situation manager in the tasks of several emergency departments.
- evaluate one's own actions in ethically challenging situations
- draw conclusions about family and family crises and refer them to various support services.

**AH00CA87 Evaluation of Professional Paramedic Skills II and Projects: 5 ECTS****Learning outcomes**

Student is able to:

- justify the essential knowledge and skills for the level of professional competence related to advance paramedic skills and work safely outside the hospital
- understand the advance paramedic management system in exceptional circumstances

**EH22KLPR-1016 Advance paramedic nursing: 30 ECTS****AH00CA79 Measures and Guidance in Paramedic: 5 ECTS****Learning outcomes**

- perform and justify the most important measures at advance paramedic level
- draw up a training plan and prepare teaching material on one of the topics to be covered
- implement the guidance / teaching situation for his / her target group in accordance with the training plan he / she has prepared

**AH00CA80 Advance Paramedic Nursing I: 5 ECTS****Learning outcomes**

- assess the patient's condition and need for care and treat him or her with the methods of advance paramedic level, based on the care instructions
- to examine and support patients basic organ functions with medication and intensive care measures and aids.
- analyze factors threatening occupational safety
- Apply non-technical teamwork skills.

**AH00CA81 Advance Paramedic Nursing II: 5 ECTS****Learning outcomes**

Student can:

- examine children and special groups and choose the appropriate treatment
- explain the importance of home services, both from from a patient and healthcare perspective
- make an assessment of the need for services and refer the client / patient to the necessary services

## **AH00CA82 Clinical Training in Advance Level Paramedic: 15 ECTS**

### **Learning outcomes**

Student is able to:

- independently treat a patient's needs of emergency care, making an initial assessment, a detailed assessment of the condition by examine and interviewing, and carry out an assessment of the effects of the necessary first aid and assessment the effects of treatment
- use emergency care research and treatment equipment safely and reliably interpret the information produced by them in order to access a work diagnosis
- use the essential medicines at advance care paramedic and to carry out independently the safe medication and fluid management required by the patient's condition
- familiar with the structure and operation of the emergency care service of his / her training unit and is familiar with the operating methods of key authorities, the obligations related to his / her position in relation to other authorities and is able to communicate with them in everyday situations
- act as a member of a multidisciplinary working group and become acquainted with the management of emergency care and know how to manage primary and / or basic level units on a task-by-task basis
- drive ambulance safely in the training area and in traffic. May act as a driver of the emergency unit when the situation allows

Delivery room:

- identify the stages of childbirth; opening phase, effort phase, post-monitoring phase and monitoring phase
- to act in the effort phase, assisting in childbirth
- act in the post-operative phase, taking into account the condition and leakage of the mother and the monitoring of the newborn

## **EH22KLPR-1017 Thesis: 15 ECTS**

## **AO00BU44 Thesis Planning: 5 ECTS**

### **Learning outcomes**

Student is able to

- describe the objectives and core contents of their thesis
- plan and describe the stages of the thesis process
- take into account the possible research permit and copyright issues.

## **AO00BU45 Thesis Project: 5 ECTS**

### **Learning outcomes**

Student is able to

- implement the thesis on the basis of an approved thesis plan

## **AO00BU46 Thesis Report: 5 ECTS**

### **Learning outcomes**

Student is able to

- present the results or output of their thesis

- report on their thesis in writing in accordance with the thesis guidelines of LAB University of Applied Sciences
- write a maturity test.

**EH22KLPR-1019 Drug Calculations: 0 ECTS**

**AH00CP58 Academic year medication calculations 2: 0 ECTS**

**AH00CP59 Academic year medication calculations 3: 0 ECTS**