

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

**Bachelor of Culture and Arts, Wearable Design 22S, full-time  
studies, Lahti**

Code	Name	1 y	2 y	3 y	4 y	ECTS total
<b>MLTIPUMU22S-1001 Common studies</b>						<b>15</b>
AY00BU47	Developing professional competence 1	1				1
AY00BU48	Developing professional competence 2		1			1
AY00BU49	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>MLTIPUMU22S-1002 Professional Core Competence</b>						<b>90</b>
<b>MLTIPUMU22S-1003 Foundation Studies in Fine Arts</b>						<b>15</b>
AM00CE41	Art History	5				5
AM00CF73	Color, Form and Composition	5				5
AM00BV66	Visual Design	5				5
<b>MLTIPUMU22S-1004 Basic Studies in Design</b>						<b>30</b>
AM00BW57	Workshop license	5				5
AM00CH64	Presentation Methods	5				5
AM00CR51	Visual Software Tools	5				5
AM00BW37	User-centred Design	5				5
AM00CF02	Introduction to Design	5				5
AM00CF03	Basics of Service Design		5			5
<b>MLTIPUMU22S-1005 Basic Studies in Wearable Design</b>						<b>20</b>
AM00CF04	Advanced Prototyping	5				5
AM00CF08	Design and Textile Materials	5				5
AM00CQ99	Kankaankuvioinnin teknologiat		5			5
AM00CR00	Knitting Technologies		5			5
<b>MLTIPUMU22S-1006 Core Studies in Wearable Design</b>						<b>15</b>
AM00CF09	3D Modelling for Wearable Products		5			5
AM00CE50	Marketing Communication and Branding		5			5
AM00BW50	Sustainable Production Methods		5			5
<b>MLTIPUMU22S-1007 The Creative Professional</b>						<b>10</b>

AM00CD93	A More Sustainable Life – International project		5			5
AM00CE55	Business Skills and Professional Practices			5		5
<b>MLTIPUMU22S-1008 Complementary Competence</b>						<b>90</b>
<b>MLTIPUMU22S-1009 Studio 1</b>						<b>20</b>
AM00CM60	Sustainable Design Studio		20			20
<b>MLTIPUMU22S-1010 Studio 2</b>						<b>20</b>
AM00CM76	Sustainable Entrepreneurship -studio			20		20
<b>MLTIPUMU22S-1011 Studio 3</b>						<b>20</b>
AM00CM75	Functional and Intelligent Solutions Studio			20		20
AM00CM54	Branding Studio					0
AM00CM90	Service Design Studio					0
<b>MLTIPUMU22S-1012 International Student Exchange</b>						<b>30</b>
<b>MLTIPUMU22S-1013 Studio 4</b>						<b>20</b>
AM00CM77	Future in the Fashion and Clothing Industry Studio				20	20
AM00CM59	XR/AR Studio					0
AM00CM90	Service Design Studio					0
AM00CR13	Assistant Project Coordinator					0
<b>MLTIPUMU22S-1014 Elective Studies</b>						<b>10</b>
AM00CM92	Studio Portfolio 1					0
AM00CM93	Studio Portfolio 2					0
AM00CM94	Studio Portfolio 3					0
AM00BV84	Research and Development in a Thesis Work					0
<b>MLTIPUMU22S-1015 Studies completed at other universities</b>						<b>0</b>
<b>MLTIPUMU22S-1016 Practical Training</b>						<b>30</b>
HA00CD54	Practical Training		5	5		10
HA00BU51	Practical Training 2			5	5	10
HA00BU52	Practical Training 3			5	5	10
<b>MLTIPUMU22S-1017 Thesis</b>						<b>15</b>
AO00BU53	Thesis Planning				5	5
AO00BU54	Thesis Research and Writing				5	5
AO00BU55	Thesis Publication				5	5

## MLTIPUMU22S-1001 Common studies: 15 ECTS

### AY00BU47 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 careerpath 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

### **AY00BU48 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

### **AY00BU49 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

### **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.

**MLTIPUMU22S-1002 Professional Core Competence: 90 ECTS****MLTIPUMU22S-1003 Foundation Studies in Fine Arts: 15 ECTS****AM00CE41 Art History: 5 ECTS****Learning outcomes**

Students are able to

- describe the basics of Western visual arts, architecture and other visual culture, from prehistory to modern times
- use the research concepts of art history and visual culture
- view their professional field as part of artistic practice and the visual environment
- use their knowledge of phenomena in art history in their professional development and work.

## **AM00CF73 Color, Form and Composition: 5 ECTS**

### **Learning outcomes**

Students are be able to

- use visual exercises to express colour theory and interrelations and also composition theory
- verbally describe the impressive, expressive and symbolic nature of colours and colour combinations, geometric forms and composition elements
- creatively apply the rules of colour interaction, forms and composition
- discuss the classical colour theories, composition theory and their application in fine arts and design.

## **AM00BV66 Visual Design: 5 ECTS**

### **Learning outcomes**

The student is able to

- present their work to peer audiences and evaluate them critically
- make use of various visual idea generation methods
- use personal observations and emotions as a starting point for creative thinking
- make connections between visual arts and other forms of visual culture
- analyse, interpret and explain contemporary visual culture.

## **MLTIPUMU22S-1004 Basic Studies in Design: 30 ECTS**

## **AM00BW57 Workshop license: 5 ECTS**

### **Learning outcomes**

The student is able to

- use the workshops in a safe manner, follow rules and instructions and justify her/his actions with given instructions
- with guidance use the most common tools and devices as well as techniques in the workshop
- manufacture the given assignments under supervision.

## **AM00CH64 Presentation Methods: 5 ECTS**

### **Learning outcomes**

The student is able to

- create a visual presentation of a design
- facilitate discussion by drawing
- create finalized presentation materials and work drawings
- explain the possibilities and restrictions of both hand drawn and digital presentation methods.

## **AM00CR51 Visual Software Tools: 5 ECTS**

### **Learning outcomes**

The student is able to

- use the basic terms and concepts of digital tools in discussion
- use the basic functions in typical digital tools of visual design in their field of study

- utilize visual design tools to carry out assignments
- find guides and information about the use of more advanced tools in design software.

### **AM00BW37 User-centred Design: 5 ECTS**

#### **Learning outcomes**

The student is able to

- apply basic principles and research methods of user-centred design in their design work
- define and prioritize different usability perspectives in their design work
- apply the principle of Design for All in their design work
- design a product from a user-centred point of view.

### **AM00CF02 Introduction to Design: 5 ECTS**

#### **Learning outcomes**

The student is able to

- explain the term design and describe how design affects the development of everyday life, society and businesses
- make use of design thinking and some of the typical design process and methods for solving problems.

### **AM00CF03 Basics of Service Design: 5 ECTS**

#### **Learning outcomes**

The student is able to

- use service design terminology, methods and processes in design work
- function as a member of a multidisciplinary team in a goal-oriented way
- apply design thinking to assignments and problem solving
- recognize the importance of foresight in service design
- produce visual presentations of services.

### **MLTIPUMU22S-1005 Basic Studies in Wearable Design: 20 ECTS**

### **AM00CF04 Advanced Prototyping: 5 ECTS**

#### **Learning outcomes**

Students are be able to

- compare and choose materials for a model
- demonstrate a command of three-dimensional sketching
- independently use appropriate modelling tools and equipment in an assignment.

### **AM00CF08 Design and Textile Materials: 5 ECTS**

#### **Learning outcomes**

The student is able to

- identify the principles and goals of designing different accessories

- apply accessory design principles innovatively in designing a new product
- identify and select appropriate materials for an accessory design assignment

### **AM00CQ99 : 5 ECTS**

### **AM00CR00 Knitting Technologies: 5 ECTS**

#### **Learning outcomes**

The student is able to

- recognize different knitting techniques
- manufacture different knits using a manual knitting machine
- choose appropriate yarns or other materials for knitting
- design patterns for knitted products
- produce knitwear.

### **MLTIPUMU22S-1006 Core Studies in Wearable Design: 15 ECTS**

### **AM00CF09 3D Modelling for Wearable Products: 5 ECTS**

#### **Learning outcomes**

The student is able to

- use the basic terminology of 3D graphics and modelling in her/his work
- perform basic tasks and use most common tools of the software
- assess and independently develop her/his skills in using the software.

### **AM00CE50 Marketing Communication and Branding: 5 ECTS**

#### **Learning outcomes**

The student is able to

- explain the concept, contents and characteristics of marketing thought
- use the methods of marketing communication and branding in their professional activity
- draw up a marketing plan
- select appropriate methods and channels for marketing communication and branding.

### **AM00BW50 : 5 ECTS**

#### **Learning outcomes**

The student is able to

- describe typical production methods in its field
- having regard to the various requirements for production methods and materials in the design of the product
- is able to assess the consistency of economic efficiency and material efficiency of production in the clothing sector through analyses and indicators from the perspective of sustainable development.
- understands the principles and functions of the circular economy, is able to apply and identify circular economy business models and opportunities in the clothing sector.

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**MLTIPUMU22S-1007 The Creative Professional: 10 ECTS****AM00CD93 A More Sustainable Life – International project: 5 ECTS****Learning outcomes**

The student is able to

- work in her or his respective professional role within an international team
- communicate professionally in an international setting
- take the various aspects of sustainability into account in their professional work.

**AM00CE55 Business Skills and Professional Practices: 5 ECTS****Learning outcomes**

The student is able to

- identify entrepreneurial competence requirements and evaluate their personal competencies
- identify and assess opportunities and plan a business operation in the business environment of their chosen field
- identify common contract types, legislation and practices specific to their chosen field
- take into account copyright law and intellectual property rights in their work.

**MLTIPUMU22S-1008 Complementary Competence: 90 ECTS****Courses included in the study module**

Each studio is a 20 credit course. First studio-course listed for each semester is the default choice in the student's programme. Alternative studio-course choices are also listed and can replace the default choice depending on the study path of the student. Please consult your tutor teacher about alternative studio-courses.

**MLTIPUMU22S-1009 Studio 1: 20 ECTS****AM00CM60 Sustainable Design Studio: 20 ECTS****Learning outcomes**

This studio course includes the following parts and their respective learning goals:

**Sustainable Design Theory (5 ECTS)**

The student is able to

- describe the principles and opportunities of environmental and ethical thinking in design
- acquire information about product life cycles, materials, manufacturing methods, legislation and eco-efficient technologies and practices
- describe eco-efficient product development strategies.

**Sustainable Design Workshop (15 ECTS)**

The student is able to

- design products with consideration of life cycles, materials, manufacturing methods, legislation and eco-efficient technologies and practices
- use systemic thinking and understands the basics of innovation ecosystems



- use eco-efficient product development strategies.

## **MLTIPUMU22S-1010 Studio 2: 20 ECTS**

### **Courses included in the study module**

Content:

- Strategic planning (incl. Design Values)
- Business thinking (incl. new business models)
- Marketing communication and branding (
- Young entrepreneur or similar "own company" experiment

## **AM00CM76 Sustainable Entrepreneurship -studio: 20 ECTS**

### **Learning outcomes**

The student is able to

- plan the company's business from a strategic and sustainable perspective
- assess the importance and operating models of design organisation
- track and identify changing business practices
- communicate business according to industry practices

## **MLTIPUMU22S-1011 Studio 3: 20 ECTS**

### **Courses included in the study module**

Content:

- Design functional products
- Manufacture of functional products
- Intelligent materials and products
- Design of knitted or crocheted products

## **AM00CM75 Functional and Intelligent Solutions Studio: 20 ECTS**

### **Learning outcomes**

The student is able to

- design functional products for different uses
- identifies different functional and intelligent materials and their uses
- develops a technology-based product at concept level
- apply existing smart technologies to wearable products

## **AM00CM54 Branding Studio: 20 ECTS**

### **Learning outcomes**

This studio course includes the following parts and their respective learning goals:

Visual Identity Design (10 ECTS)

The students are able to

- produce graphic symbols in accordance with brand goals and requirements
- explain the importance of the visual identity as a part of marketing communications

- create a visual identity concept in accordance with brand goals
- design appropriate and carefully crafted typography
- lead a process of redesigning a visual identity
- apply the design management approach in their work.

#### Branded Publications (5 ECTS)

The student is able to

- assess the link between the content, the focus group and the graphic design
- explain the difference between commercial and journalistic publications
- combine the brand image and brand goals in publications
- design a commercial brochure or product catalogue for different publishing environments
- schedule the working process.

#### Brand Management (5 ECTS)

The student is able to

- understands the significance of brand management in visual communication
- write a brand strategy, compose a brand manual and use them to create visual material
- develop existing brands
- compose and administer brand material libraries and knows how to use them
- understand and make use of the mechanisms of influencing.

### **AM00CM90 Service Design Studio: 20 ECTS**

#### **Learning outcomes**

Theme: Generating ideas

A student is able to

- utilize a user driven process in creation of new service ideas
- apply multicasting in creation of a user experience
- apply the principles of sustainability in service development

Theme: Creating a service concept

The student is able to

- utilize design process in creation of new service idea and in the development of a service concept
- model, test and present service ideas by prototyping
- evaluate an operability of a service concept and its ability to create value

Theme: Team working

The students are able to

- create contacts with working life representatives and advance working life based Service Design project
- develop their Service Design skills in a goal oriented way

### **MLTIPUMU22S-1012 International Student Exchange: 30 ECTS**

#### **Courses included in the study module**

Studies completed according to a separate Learning Agreement at an international partner university.

## **MLTIPUMU22S-1013 Studio 4: 20 ECTS**

### **Courses included in the study module**

Content:

- Future research (or is sustainable entrepreneurship part of the studio?)
- 3D modelling (CLO3D/Blender/etc.)
- 3D printing
- Experiments and demos

## **AM00CM77 Future in the Fashion and Clothing Industry Studio: 20 ECTS**

### **Learning outcomes**

The student is able to

- make use of information produced by future research on weak signals in the design process
- develop different scenarios of the impact and impact of future changes on the company's operating strategy
- to improve and anticipate consumer needs and operating environments with the help of information generated by future research
- utilize 3D modelling and visualization tools professionally
- produce a simple 3D printable model

## **AM00CM59 XR/AR Studio: 20 ECTS**

### **Learning outcomes**

The student is able to

- define the concepts of XR (extended reality) and AR (augmented reality) and discuss the possibilities of these and related technologies
- design concepts where XR/AR technologies support user experience, learning, marketing or other client needs and requirements
- produce prototypes that allow the evaluation and further development of XR/AR concepts
- function in their professional role in a multidisciplinary design and production team.

## **AM00CM90 Service Design Studio: 20 ECTS**

### **Learning outcomes**

Theme: Generating ideas

A student is able to

- utilize a user driven process in creation of new service ideas
- apply multicasting in creation of a user experience
- apply the principles of sustainability in service development

Theme: Creating a service concept

The student is able to

- utilize design process in creation of new service idea and in the development of a service concept
- model, test and present service ideas by prototyping
- evaluate an operability of a service concept and its ability to create value

Theme: Team working

The students are able to

- create contacts with working life representatives and advance working life based Service Design project
- develop their Service Design skills in a goal oriented way

### **AM00CR13 Assistant Project Coordinator: 20 ECTS**

#### **Learning outcomes**

The student knows how to

- plan teamwork to achieve set goals
- utilize project management methods and tools
- produce reports and other stakeholder communications on project progress
- work with clients in a responsible role
- support the project-based learning of their peers
- analyze the working process and it's outcomes to produce new knowledge and learning.

### **MLTIPUMU22S-1014 Elective Studies: 10 ECTS**

#### **AM00CM92 Studio Portfolio 1: 2 ECTS**

##### **Learning outcomes**

The students are able to

- document their work and competence in a visual way
- create a written describe assignments and their working process in a clear and concise way
- produce a visual portfolio.

#### **AM00CM93 Studio Portfolio 2: 2 ECTS**

##### **Learning outcomes**

The students are able to

- document their work methods and process both visually and textually
- situate their expertise and expression in the professional field
- produce a comprehensive visual portfolio of their work.

#### **AM00CM94 Studio Portfolio 3: 1 ECTS**

##### **Learning outcomes**

The students are able to

- report their work on a project to the client, project management or funder
- demonstrate, using citations, that they are familiar with practices in their field
- create a visual written project report.

#### **AM00BV84 Research and Development in a Thesis Work: 5 ECTS**

##### **Learning outcomes**

The student is able to

- obtain, utilise and assess R&D-related information and their sources critically

- follow the rules of ethical principles applied in all research activities
- select and use the most typical research and development methods of their own field
- write a scientific report and is familiar with the requirements for language and style and how to document the sources.

### **MLTIPUMU22S-1015 Studies completed at other universities: 0 ECTS**

#### **Courses included in the study module**

You can complete courses at other higher education institutions for example through CampusOnline or as an Open University student.

### **MLTIPUMU22S-1016 Practical Training: 30 ECTS**

#### **HA00CD54 Practical Training: 10 ECTS**

##### **Learning outcomes**

The student is able to

- describe work-related phenomena and use related concepts
- act in a productive way, following the practices of the workplace and the ethical principles of the profession
- use the techniques, work methods, models and processes that they have learnt
- act in a customer-oriented way in interactive situations in the workplace and in the cooperation network
- evaluate and develop their own competence in the work done in practical training

#### **HA00BU51 Practical Training 2: 10 ECTS**

##### **Learning outcomes**

The student is able to

- describe work-related phenomena and use related concepts
- act in a productive way, following the practices of the workplace and the ethical principles of the profession
- use the techniques, work methods, models and processes that they have learnt
- act in a customer-oriented way in interactive situations in the workplace and in the cooperation network
- evaluate and develop their own competence in the work done in practical training

#### **HA00BU52 Practical Training 3: 10 ECTS**

##### **Learning outcomes**

The student is able to

- describe work-related phenomena and use related concepts
- act in a productive way, following the practices of the workplace and the ethical principles of the profession
- use the techniques, work methods, models and processes that they have learnt
- act in a customer-oriented way in interactive situations in the workplace and in the cooperation network

- evaluate and develop their own competence in the work done in practical training

### **MLTIPUMU22S-1017 Thesis: 15 ECTS**

#### **AO00BU53 Thesis Planning: 5 ECTS**

##### **Learning outcomes**

The 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

#### **AO00BU54 Thesis Research and Writing: 5 ECTS**

##### **Learning outcomes**

The student is able to:

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

#### **AO00BU55 Thesis Publication: 5 ECTS**

##### **Learning outcomes**

The 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.