**Curriculum at LAB University of Applied Sciences
2021-2022**

Bachelor of Culture and Arts, Wearable Design 21S, full-time studies, Lahti

Code	Name	1 y	2 y	3 y	4 y	ECTS total
PUMU21SLTI-1001 Common studies						**15**
AY00BU47	Developing professional competence 1	1				1
AY00BU48	Developing professional competence 2		1			1
AY00BU49	Developing professional competence 3			1		1
A300CJ89	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
PUMU21SLTI-1002 Professional Core Competence						**90**
PUMU21SLTI-1018 Foundation Studies in Fine Arts						**15**
AM00CE41	Art History	5				5
AM00CF73	Color, Form and Composition	5				5
AM00BV66	Visual Design	5				5
PUMU21SLTI-1019 Basic Studies in Design						**30**
AM00BW57	Workshop license	5				5
AM00CH64	Presentation Methods	5				5
AM00CE47	Visual Design Tools	5				5
AM00BW37	User-centred Design	5				5
AM00CF02	Introduction to Design	5				5
AM00CF03	Basics of Service Design		5			5
PUMU21SLTI-1020 Basic Studies in Wearable Design						**20**
AM00CF04	Advanced Prototyping	5				5
AM00CF08	Design and Textile Materials	5				5
MI00BM11	Knitwear Design Basics		5			5
MI00BM12	Knitting Technology		5			5
PUMU21SLTI-1022 Core Studies in Wearable Design						**15**
AM00CF09	3D Modelling for Wearable Products		5			5
AM00CF07	Marketing and branding		5			5
AM00BW50	Sustainable Production Methods		5			5
PUMU21SLTI-1023 The Creative Professional						**10**

Code	Name				Total
AM00CD93	A More Sustainable Life – International project	5			5
AM00CE55	Business Skills and Professional Practices		5		5
PUMU21SLTI-1012 Complementary Competence					**90**
PUMU21SLTI-1029 Studio 1					**20**
AM00CM60	Sustainable Design Studio	20			20
PUMU21SLTI-1030 Studio 2					**20**
AM00CM76	Sustainable Entrepreneurship -studio		20		20
PUMU21SLTI-1026 Studio 3					**20**
AM00CM75	Functional and Intelligent Solutions Studio		20		20
PUMU21SLTI-1027 Studio 4					**20**
AM00CM77	Future in the Fashion and Clothing Industry Studio			20	20
PUMU21SLTI-1028 Elective Studies					**10**
PUMU21SLTI-1016 Practical Training					**30**
HA00CD54	Practical Training	5	5		10
HA00BU51	Practical Training 2		5	5	10
HA00BU52	Practical Training 3		5	5	10
PUMU21SLTI-1017 Thesis					**15**
AO00BU53	Thesis planning			5	5
AO00BU54	Thesis research and writing			5	5
AO00BU55	Thesis publication			5	5

PUMU21SLTI-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 competenciesduring job recruitment processes
- give feedback on tuition and services and thus participate in the development of education

A300CJ89 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
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.

PUMU21SLTI-1002 Professional Core Competence: 90 ECTS

PUMU21SLTI-1018 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.

PUMU21SLTI-1019 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.

AM00CE47 Visual Design 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.

PUMU21SLTI-1020 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

MI00BM11 Knitwear Design Basics: 5 ECTS

Learning outcomes
The student is able to
- recognize the differences between knitwear and fabric clothing
- design functional knitted clothing or accesories
- recognize different knitting techniques
- recognize the properties of different yarns and other knittable materials

MI00BM12 Knitting Technology: 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

PUMU21SLTI-1022 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.

AM00CF07 Marketing 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.

PUMU21SLTI-1023 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.

PUMU21SLTI-1012 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.

PUMU21SLTI-1029 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.

PUMU21SLTI-1030 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 thecompany'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

PUMU21SLTI-1026 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

PUMU21SLTI-1027 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

PUMU21SLTI-1028 Elective Studies: 10 ECTS

PUMU21SLTI-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 int 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 int 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 int the work done in practical training

PUMU21SLTI-1017 Thesis: 15 ECTS

AO00BU53 Thesis planning: 5 ECTS

Learning outcomes
The student can
- 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 can
- implement the thesis on the basis of an approved thesis plan.

AO00BU55 Thesis publication: 5 ECTS

Learning outcomes
The student can
- 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.