Curriculum at LAB University of Applied Sciences 2021-2022

Bachelor of Culture and Arts, Interior Architecture and Furniture Design 21S, full-time studies, Lahti

Code	Name	1 y	2 y	3 y	4 y	ECTS total
SIK21SLTI-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
SIK21SLTI-1002	**Professional Core Competence**					**90**
SIK21SLTI-1019	**Foundation Studies in Fine Arts**					**15**
AM00CF73	Color, Form and Composition	5				5
AM00BV66	Visual Design	5				5
AM00CE41	Art History	5				5
SIK21SLTI-1020	**Basic Studies in Design**					**30**
AM00CF02	Introduction to Design	5				5
AM00BW57	Workshop license	5				5
AM00CE47	Visual Design Tools	5				5
AM00BW40	Ergonomics and Accessibility	5				5
AM00CH64	Presentation Methods	5				5
AM00CF03	Basics of Service Design		5			5
SIK21SLTI-1021	**Basic Studies in Interior Architecture and Furniture Design**					**15**
AM00CF04	Advanced Prototyping	5				5
AM00CM66	Working in CAD	5				5
AM00BW38	Structures and Materials		5			5
SIK21SLTI-1022	**Core Studies in Interior Architecture and Furniture Design**					**20**
AM00CM43	CAD, 3D and visualization		5			5
AM00BW37	User-centred Design		5			5
AM00CF07	Marketing and branding		5			5

Code	Course					Total
AM00CF06	VR/XR/AR for Design	5				5
SIK21SLTI-1023 The Creative Professional						**10**
AM00CD93	A More Sustainable Life – International project	5				5
AM00CE55	Business Skills and Professional Practices			5		5
SIK21SLTI-1012 Complementary Competence						**90**
SIK21SLTI-1024 Studio 1						**20**
AM00CM60	Sustainable Design Studio	20				20
SIK21SLTI-1025 Studio 2						**20**
AM00CM62	Interior Design Studio			20		20
SIK21SLTI-1026 Studio 3						**20**
AM00CM63	Furniture Design Studio			20		20
SIK21SLTI-1027 Studio 4						**20**
AM00CM64	Materials Studio				20	20
SIK21SLTI-1028 Elective Studies						**10**
SIK21SLTI-1017 Practical Training						**30**
HA00CD54	Practical Training	5	5			10
HA00BU51	Practical Training 2			5	5	10
HA00BU52	Practical Training 3			5	5	10
SIK21SLTI-1018 Thesis						**15**
AO00BU53	Thesis planning				5	5
AO00BU54	Thesis research and writing				5	5
AO00BU55	Thesis publication				5	5

SIK21SLTI-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.

SIK21SLTI-1002 Professional Core Competence: 90 ECTS

SIK21SLTI-1019 Foundation Studies in Fine Arts: 15 ECTS

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.

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.

SIK21SLTI-1020 Basic Studies in Design: 30 ECTS

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.

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.

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.

AM00BW40 Ergonomics and Accessibility: 5 ECTS

Learning outcomes
The student is able to
- apply the basics of ergonomics in their design work
- apply the principles of accessibility and design-for-all in their design work

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.

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.

SIK21SLTI-1021 Basic Studies in Interior Architecture and Furniture Design: 15 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.

AM00CM66 Working in CAD: 5 ECTS

Learning outcomes
The student is able to
- perform basic workflows using industry standard CAD software and is able to use basic terminology of CAD work
- independently use CAD software as a design tool
- create work drawings using CAD software.

AM00BW38 Structures and Materials: 5 ECTS

Learning outcomes
The student knows how to
- describe the basic principles of designing structures
- assess materials from the perspectives of durability, serviceability, aesthetics and product costs
- design functional structures and select appropriate materials for a design

SIK21SLTI-1022 Core Studies in Interior Architecture and Furniture Design: 20 ECTS

AM00CM43 CAD, 3D and visualization: 5 ECTS

Learning outcomes
The student is able to
- perform basic 3D-modelling and visualisation workflows using CAD software and is able to use the terminology of 3D-modelling
- apply previously learned CAD skills in more advanced CAD assignments and 3D-modelling
- compare different modelling techniques and formats.

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.

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

AM00CF06 VR/XR/AR for Design: 5 ECTS

Learning outcomes
The students are able to
- define the concepts of VR (Virtual Reality), XR (eXtended Reality) and AR (Augmented Reality) and to discuss the application possibilities of these and other comparable technologies
- to design solutions in which XR/AR technologies and methods support user experience, learning, marketing communication or other customer needs.

SIK21SLTI-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.

SIK21SLTI-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.

SIK21SLTI-1024 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.

SIK21SLTI-1025 Studio 2: 20 ECTS

AM00CM62 Interior Design Studio: 20 ECTS

SIK21SLTI-1026 Studio 3: 20 ECTS

AM00CM63 Furniture Design Studio: 20 ECTS

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

Designing Furniture (10 ECTS)
The student is able to
- recognize and analyze the functional, structural and aesthetic requirements for furniture products
- use the process of furniture design and utilize model making as a method of design
- apply the principles of ergonomics and user-centric design to the design of furniture
- design appropriate furniture solutions to complement an interior design
- draft industry-standard manufacturing drawings with required measurement notation.

Manufacture of Furniture (10 ECTS)
The student is able to
- take the requirements of manufacture into account when designing furniture products
- design furniture that are both economically and ecologically viable to manufacture
- choose commonly used materials and structures in their design
- draft manufacturing guidelines and CAD drawings of their design.

SIK21SLTI-1027 Studio 4: 20 ECTS

AM00CM64 Materials Studio: 20 ECTS

Learning outcomes
Part 1:
The student is able to
- design wood or fibre material based products and structures
- apply the physiological properties of the material as a basis of design
- create models of the designs
- design products using contemporary materials

Part 2:
The students are able to:
- choose appropriate manufacturing methods and techniques for their design
- create designs that utilize the visual aesthetics of the material
- design manufacturable products and create documentation needed for manufacturing
- work as a designer in materials-based product development.

SIK21SLTI-1028 Elective Studies: 10 ECTS

SIK21SLTI-1017 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

SIK21SLTI-1018 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.