

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

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

Code	Name	1 y	2 y	3 y	4 y	ECTS total
SIK21KLT1-1001 Yhteiset opinnot						15
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
SIK21KLT1-1035 Professional Core Competence						120
SIK21KLT1-1036 Basic Competence and Methods in Design 1						20
AM00BW35	Wood and Metal Workshop	5				5
AM00BW17	Fundamentals of Design	5				5
AM00BW19	Developing by Experimenting	5				5
AM00BW18	Designer's Digital Tools	5				5
SIK21KLT1-1037 Fine Arts Core Studies 1						10
AM00BV12	History of Art	5				5
AM00BV65	Color and Composition	5				5
SIK21KLT1-1038 Fine Arts Core Studies 2						10
AM00BV66	Visual Design	5				5
AM00BV67	Space and Form	5				5
SIK21KLT1-1039 Basic Competence and Methods in Design 2						15
AM00BW23	Creative Design Methods	5				5
AM00BW22	Modelling Basics		5			5
AM00BW36	Prototyping		5			5
SIK21KLT1-1040 User and Environment 1						15
AM00BW37	User-centred Design		5			5
AM00BW38	Structures and Materials		5			5
AM00BW39	Sustainable Design		5			5
SIK21KLT1-1041 User and Environment 2						15
AM00BW40	Ergonomics and Accessibility		5			5

AM00BW41	Advanced Modelling Project		5			5
AM00BW13	Professional Portfolio		5			5
SIK21KLT1-1042 Product Design and Technology						15
AM00BW42	Specialist Project			5		5
AM00BW43	Lighting Design			5		5
AM00BW44	Product Development Processes			5		5
SIK21KLT1-1043 Professional Practices in the Creative Profession						10
AM00BV78	Profession in the Creative Industry				5	5
AM00BV82	Marketing Communication and Branding			5		5
SIK21KLT1-1044 Research and Development Work						10
AM00BV84	Research and Development in a Thesis Work				5	5
AM00BW33	Professional Profile Development				5	5
SIK21KLT1-1045 Complementary Competence						60
SIK21KLT1-1046 Interior and Furniture Design Project						15
MI00BS11	Design drawing by hand	5				5
MI00BS14	Working in CAD		5			5
KE00BE10	Working in a Project 1			5		5
SIK21KLT1-1047 Interior and Furniture Design Expert Project						15
MI00BS12	Presentation drawing		5			5
MI00BS15	CAD, 3D and visualization			5		5
KE00BE11	Working in a Project 2			5		5
SIK21KLT1-1048 Interior and Furniture Design Studio						15
MI00BS13	Digital design drawing		5			5
MI00BS16	Advanced CAD				5	5
KE00BE12	Working in a Project 3				5	5
SIK21KLT1-1049 Wood and Biomaterial Studio						15
MI00BL92	Wood and Biomaterial Studio 1			5		5
MI00BL93	Wood and Biomaterial Studio 2			5		5
MI00BL94	Wood and Biomaterial Studio 3				5	5
SIK21KLT1-1050 Practical Training						30
HA00BU50	Practical Training		5	5		10
HA00BU51	Practical Training 2			10		10
HA00BU52	Practical Training 3			5	5	10
SIK21KLT1-1051 Thesis						15
AO00BU53	Thesis Planning				5	5
AO00BU54	Thesis Research and Writing				5	5
AO00BU55	Thesis Publication				5	5

SIK21KLT1-1001 : 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.

SIK21KLTI-1035 Professional Core Competence: 120 ECTS

SIK21KLTI-1036 Basic Competence and Methods in Design 1: 20 ECTS

AM00BW35 Wood and Metal Workshop: 5 ECTS

Learning outcomes

The student is able to

-
- operate in the prototyping workshop and safely use it's equipment and materials
 - carry through a material-based design process
 - design wood or metal material based structures
 - describe the basics, working methods and applications of common modelling materials
 - discuss and use different techniques in model building
 - utilize dimensional drawings in building a model

AM00BW17 Fundamentals of Design: 5 ECTS

Learning outcomes

The student is able to

- use basic concepts of the field
- produce a visual presentation
- demonstrate understanding of the typical roles and practices of their chosen field

AM00BW19 Developing by Experimenting: 5 ECTS

Learning outcomes

The student is able to

- utilize modelling learning environments as part of a product development process
- produce rapid prototypes for product development.

AM00BW18 Designer's Digital Tools: 5 ECTS

Learning outcomes

The student is able to

- demonstrate a command of the basics of digital imaging
- recognize the principles of project work
- recognize the principles of the design process
- visually present a design plan

SIK21KLT1-1037 Fine Arts Core Studies 1: 10 ECTS

AM00BV12 History of Art: 5 ECTS

Learning outcomes

The student is able to

- describe the main developments in the history of art
- understands connections between art and design
- evaluate different interpretations of the history of visual expression
- use the styles of different epochs in visual design and her/his own expression

AM00BV65 Color and Composition: 5 ECTS

Learning outcomes

Students will be able to

- express colour theory and interrelations through visual exercises
- verbally describe the impressive, expressive and symbolic nature of colours and colour combinations and apply this knowledge in visual exercises
- creatively apply the rules of colour interaction
- discuss the classical colour theories and their application in fine arts and design.

SIK21KLT1-1038 Fine Arts Core Studies 2: 10 ECTS

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.

AM00BV67 Space and Form: 5 ECTS

Learning outcomes

The student is able to

- recognise and discuss common techniques and materials of 3-dimensional work
- apply common techniques and materials of 3-dimensional work in their own expression
- recognise and discuss the importance of space, form, light and colour in 3-dimensional work

SIK21KLT1-1039 Basic Competence and Methods in Design 2: 15 ECTS

AM00BW23 Creative Design Methods: 5 ECTS

Learning outcomes

The student is able to

- assess how various design methods could be used to carry out an assignment
- choose a suitable design process model for an assignment
- use creative methods in their design work
- create concepts by experimentation

AM00BW22 Modelling Basics: 5 ECTS

Learning outcomes

The student is able to

- demonstrate a basic command of 3D design methods and tools specific to their chosen field
- demonstrate a command of the basics of 3D modelling and visualisation
- produce a simple visual model.

AM00BW36 Prototyping: 5 ECTS

Learning outcomes

The student is able to

- convert a two-dimensional design into a three-dimensional model
- combine different materials and model making methods
- safely use modelling tools.

SIK21KLT1-1040 User and Environment 1: 15 ECTS**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.

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

AM00BW39 Sustainable Design: 5 ECTS**Learning outcomes**

The student is able to

- describe the principles and opportunities of environmental and ethical thinking in design
- design products with consideration of life cycles, materials, manufacturing methods, legislation and eco-efficient technologies and practices
- choose eco-efficient product development strategies as part of the design process

SIK21KLT1-1041 User and Environment 2: 15 ECTS**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

AM00BW41 Advanced Modelling Project: 5 ECTS

Learning outcomes

Students will be able to

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

AM00BW13 Professional Portfolio: 5 ECTS**Learning outcomes**

The student is able to

- create a professional portfolio for different purposes
- use a portfolio as a promotional tool
- use a portfolio as a means of developing their professional profiles
- assess other professionals' portfolios.

SIK21KLTI-1042 Product Design and Technology: 15 ECTS**AM00BW42 Specialist Project: 5 ECTS****Learning outcomes**

The student is able to

- implement a complete design process as a member of a professional team
- independently design and implement a product development project
- produce a project plan
- produce project communications

AM00BW43 Lighting Design: 5 ECTS**Learning outcomes**

The student will be able to

- the basics of lighting design and able to make a small-scale lighting design
- design lighting for different spaces according to their purpose.
- make technical drawings of his/her designs.

AM00BW44 Product Development Processes: 5 ECTS**Learning outcomes**

The student is able to

- assess the suitability of different process models for assignments
- select the most appropriate process model to use in an assignment
- implement the stages of the chosen process model

SIK21KLTI-1043 Professional Practices in the Creative Profession: 10 ECTS**AM00BV78 Profession in the Creative Industry: 5 ECTS**

Learning outcomes

The student is able to

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

AM00BV82 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

SIK21KLTI-1044 Research and Development Work: 10 ECTS**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.

AM00BW33 Professional Profile Development: 5 ECTS**Learning outcomes**

The student is able to

- define their professional profile
- set goals and develop their professional profile accordingly
- produce a portfolio for postgraduate studies or job-seeking purposes

SIK21KLTI-1045 Complementary Competence: 60 ECTS**SIK21KLTI-1046 Interior and Furniture Design Project: 15 ECTS****MI00BS11 Design drawing by hand: 5 ECTS****Learning outcomes**

The student is able to

- produce hand-drawn visual material of her/his ideas and designs

- read and produce industry standard work drawings
- communicate design ideas by sketching.

MI00BS14 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.

KE00BE10 Working in a Project 1: 5 ECTS

Learning outcomes

For 1.-2. year students learning outcomes for early study phase are applied, and for 3.-4. year students learning outcomes for the graduation phase.

Early-skill stage/learning outcomes:

The student is able to:

- use the concepts related to the project topic and theme and shows familiar with the paternity-related project data base
- describe the rationale, needs and criteria for project activities
- work in projects in accordance with the administration
- apply professional methods and working practices related to the project topic
- operate safely, ethically and customer-oriented project
- action required by the project in interactive situations
- operate safely, ethically and customer-oriented project

Graduation competence/learning outcomes:

The student is able to:

- use the concepts related to the project in a coherent and justify their actions on the basis of the knowledge base
- find starting points, needs and criteria for project activities
- to act purposefully, to assess the activity and make suggestions for improvement
- applied to the project a variety of different techniques, methods and ways of working
- operate safely, ethically and customer-oriented
- to act responsibly and in a target group and as otherwise required by the project in interactive situations

SIK21KLT1-1047 Interior and Furniture Design Expert Project: 15 ECTS

MI00BS12 Presentation drawing: 5 ECTS

Learning outcomes

The student is able to

- create a visual presentation using typical presentation techniques
- produce finalized presentation drawings and work drawings of her/his designs

- discuss possibilities and limitations of hand-drawn and digital presentations.

MI00BS15 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.

KE00BE11 Working in a Project 2: 5 ECTS

Learning outcomes

For 1.-2. year students learning outcomes for early study phase are applied, and for 3.-4. year students learning outcomes for the graduation phase.

Early-skill stage/learning outcomes:

The student is able to:

- use the concepts related to the project topic and theme and shows familiar with the paternity-related project data base
- describe the rationale, needs and criteria for project activities
- work in projects in accordance with the administration
- apply professional methods and working practices related to the project topic
- operate safely, ethically and customer-oriented project
- action required by the project in interactive situations
- operate safely, ethically and customer-oriented project

Graduation competence/learning outcomes:

The student is able to:

- use the concepts related to the project in a coherent and justify their actions on the basis of the knowledge base
- find starting points, needs and criteria for project activities
- to act purposefully, to assess the activity and make suggestions for improvement
- applied to the project a variety of different techniques, methods and ways of working
- operate safely, ethically and customer-oriented
- to act responsibly and in a target group and as otherwise required by the project in interactive situations

SIK21KLT1-1048 Interior and Furniture Design Studio: 15 ECTS

MI00BS13 Digital design drawing: 5 ECTS

Learning outcomes

The student is able to

- use industry standard drawing and/or graphics software
- use hand-drawn sketches in a digital workflow
- produce and give digital presentations that combine different source media.

MI00BS16 Advanced CAD: 5 ECTS

Learning outcomes

The student is able to

- produce professional 3D visualizations and models in CAD software
- create 3D geometry, surfaces and lighting in CAD software
- produce a 3-dimensional scene or 3D-print of her/his design.

KE00BE12 Working in a Project 3: 5 ECTS

Learning outcomes

For 1.-2. year students learning outcomes for early study phase are applied, and for 3.-4. year students learning outcomes for the graduation phase.

Early-skill stage/learning outcomes:

The student is able to:

- use the concepts related to the project topic and theme and shows familiar with the paternity-related project data base
- describe the rationale, needs and criteria for project activities
- work in projects in accordance with the administration
- apply professional methods and working practices related to the project topic
- operate safely, ethically and customer-oriented project
- action required by the project in interactive situations
- operate safely, ethically and customer-oriented project

Graduation competence/learning outcomes:

The student is able to:

- use the concepts related to the project in a coherent and justify their actions on the basis of the knowledge base
- find starting points, needs and criteria for project activities
- to act purposefully, to assess the activity and make suggestions for improvement
- applied to the project a variety of different techniques, methods and ways of working
- operate safely, ethically and customer-oriented
- to act responsibly and in a target group and as otherwise required by the project in interactive situations

SIK21KLT1-1049 Wood and Biomaterial Studio: 15 ECTS

MI00BL92 Wood and Biomaterial Studio 1: 5 ECTS

Learning outcomes

The student is able to

- carry through a material-based design process
- design wood or fibre material based structures
- apply the physiological properties of the material as a basis of design
- create models of the designs

MI00BL93 Wood and Biomaterial Studio 2: 5 ECTS**Learning outcomes**

The student is able to

- apply modelling methods to produce products using wood or biomaterials
- apply design and manufacturing principles of wooden products in design work
- choose appropriate manufacturing methods and techniques in his or hers own design
- create designs that utilize the visual aesthetics of the material

MI00BL94 Wood and Biomaterial Studio 3: 5 ECTS**Learning outcomes**

The student is able to

- describe how designers work together with manufacturers
- produce the design documentation needed for such co-operation
- work as a designer in materials-based product development

SIK21KLT1-1050 Practical Training: 30 ECTS**HA00BU50 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 into the work done in practical training

SIK21KLT1-1051 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.