07.10.2022

Curriculum at LAB University of Applied Sciences
2022-2023

Bachelor of Engineering, Wood Technology 22S, Double Degree, Lahti

Code	Name	1 y	ECTS total
TLTIWOODDD22S-1001	**Professional Core Competences**		**35**
TLTIWOODDD22S-1006	**Engineering studies**		**0**
TLTIWOODDD22S-1005	**Design studies**		**0**
AM00BW13	Professional Portfolio	5	5
AM00CN27	Ergonomics and Accessibility	5	5
AM00CN34	CAD, 3D and Visualization	5	5
AM00CR54	Exhibition architecture	5	5
AM00CN29	Working in CAD	5	5
AM00CR55	Digital design drawing		0
TLTIWOODDD22S-1002	**Complementary Competences**		**0**
TLTIWOODDD22S-1003	**Practical Training**		**10**
HA00CE82	Practical Training		0
TLTIWOODDD22S-1004	**Thesis**		**15**
AO00CE85	Thesis Planning	5	5
AO00CE86	Thesis Research and Writing	5	5
AO00CE87	Thesis Publication	5	5

TLTIWOODDD22S-1001 Professional Core Competences: 35 ECTS

TLTIWOODDD22S-1006 Engineering studies: 0 ECTS

TLTIWOODDD22S-1005 Design studies: 0 ECTS

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.

AM00CN27 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

AM00CN34 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.

AM00CR54 Exhibition architecture: 5 ECTS

Learning outcomes
The student is able to
- describe the aims of an exhibition design
- design an exhibition concept, structures and relevant documentation
- design a lighting concept an exhibition.

AM00CN29 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.

AM00CR55 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.

TLTIWOODDD22S-1002 Complementary Competences: 0 ECTS

TLTIWOODDD22S-1003 Practical Training: 10 ECTS

HA00CE82 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

TLTIWOODDD22S-1004 Thesis: 15 ECTS

AO00CE85 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.

AO00CE86 Thesis Research and Writing: 5 ECTS

Learning outcomes
The student is able to:
- implement the thesis on the basis of an approved thesis plan.

AO00CE87 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.