

**Curriculum at LAB University of Applied Sciences  
2020-2021**

**Master of Social and Health Care, Digital Solutions, Lahti**

Code	Name	1 y	2 y	ECTS total
<b>YDIGS20SLTI-1001 Core competence</b>				<b>30</b>
YY00BW95	Digital Solutions for the New Era	5		5
YY00BW96	Development as a form of change	5		5
YH00CA66	Collection and interpretation of digital data in the social and health care sector	5		5
YH00CA67	Client and a client experience of digital social and health services	5		5
YH00CA68	Professional and changing forms of the work in a digital environment of the social and health care sector		5	5
YH00CA69	Technology as a reformer for health and wellbeing		5	5
<b>YDIGS20SLTI-1003 Complementary competence</b>				<b>30</b>
LA00BO42	Talent Management			0
ST00BO15	Service design in social and health care services			0
LA00BO49	Lean-Thinking in Developing Operations			0
LA00BQ04	Research-Based Development			0
TE00BR03	IoT			0
LA00BO58	Gamification			0
LA00BU69	Usability evaluation and UX development for mobile applications			0
YY00BW98	Digital Transformation Management			0
YM00BX86	Design thinking and development research			0
LA00BO45	Strategic design and co-design			0
YY00BW97	Innovating digital mobile solutions			0
LA00BO64	Digitalising business processes			0
YM00BX83	User orientation and service design			0
AM00BV89	Information Design			0
ST00BR56	Creative and Operational Procedures			0
LA00BN40	Advanced Expert Studies			0
YLI0058	Managing Well-Being at Work			0
<b>YDIGS20SLTI-1002 Thesis</b>				<b>30</b>
YO00BU70	Thesis Planning	10		10
YO00BU71	Thesis Project and Reporting		20	20

---

**YDIGS20SLTI-1001 Core competence: 30 ECTS****YY00BW95 Digital Solutions for the New Era: 5 ECTS****Learning outcomes**

The student is able to

- assess an individual's and organisation's digital maturity
- describe new development trends of digital solutions
- design a digital solution that supports an organisation's service, function, or product

**YY00BW96 Development as a form of change: 5 ECTS****Learning outcomes**

The student is able to

- to search and analyze the latest information in the field of development and innovation
- use research and development methods properly
- critically evaluate the results and impact of development and innovation activities

**YH00CA66 Collection and interpretation of digital data in the social and health care sector: 5 ECTS****Learning outcomes**

The student is able to

- recognize the significant value of productive data and data sources
- develop data management in a social and health care sector
- analyze and evaluate data ethically, critically and securely

**YH00CA67 Client and a client experience of digital social and health services: 5 ECTS****Learning outcomes**

The student is able to

- search and use the latest knowledge and concepts of the client experience
- critically analyze a digital client experience by using different methods
- innovate digital solutions to improve the client experience

**YH00CA68 Professional and changing forms of the work in a digital environment of the social and health care sector: 5 ECTS****Learning outcomes**

The student is able to

- search and use the latest knowledge for development of services
- improve work and working models in digital environment
- design and strategically evaluate development work of digital services and interventions

**YH00CA69 Technology as a reformer for health and wellbeing: 5 ECTS**

**Learning outcomes**

The student is able to

- recognize the possibilities of distance care technologies, robotization and automation in social and health care environment
- network across different sectors and collaboration partners in an entrepreneurial way
- lead and develop competencies of distance care technology in a social and health care sector

**YDIGS20SLTI-1003 Complementary competence: 30 ECTS****LA00BO42 Talent Management: 5 ECTS****Learning outcomes**

The student is able to

- implement staff management based on a strategy and reach strategic objectives for the staff
- recognize, evaluate and develop talent on an individual and organisation level
- use knowledge and talent distribution models

**ST00BO15 Service design in social and health care services: 5 ECTS****Learning outcomes**

The student is able to

- understand the service design process as part of an organisation's service management
- choose appropriate service design procedures and be able to apply these on a case-by-case basis in the development of different services
- lead service design processes

**LA00BO49 Lean-Thinking in Developing Operations: 5 ECTS****Learning outcomes**

The student is able to

- become familiar with continuous improvement principles
- become familiar with the key principles of quality and Lean management
- apply Lean's key tools in developing operations

**LA00BQ04 Research-Based Development: 5 ECTS****Learning outcomes**

The student is able to

- plan a workplace-oriented research-based development project
- use different methods of workplace development and use/utilize the research data in workplace development
- evaluate and report on the research-based development project

**TE00BR03 IoT: 5 ECTS**

**Learning outcomes**

The student is able to

- understand the contribution of IoT to the significant increase in the amount of data, understand the nature of sensor data and know the basic principles of data processing at the sensor level
- understand the basic structure of IoT devices
- store measurement results in a database and understand the usability of time series databases
- transfer the measurement results to the cloud service using the standard IoT protocol
- describe the structures of different IoT network architectures and their integration into larger information systems
- take into account the specific security risks of IoT technologies

**LA00BO58 Gamification: 5 ECTS****Learning outcomes**

The student is able to

- recognise similar activities in games as well as the opportunities through games in digitally operating environments
- plan strategies and tactics which can be integrated into the game mechanics of digital services
- use the core concepts of games, planning models as well as applicable code examples

**LA00BU69 Usability evaluation and UX development for mobile applications: 5 ECTS****Learning outcomes**

The student is able to

- design and implement simple user testing
- understand specific features of designing for touch screen devices
- use modern expert evaluation methods and reporting.

**YY00BW98 Digital Transformation Management: 5 ECTS****Learning outcomes**

The student is able to

- analyze the relationship between strategy and digital transformation
- assess the impact of digital solutions on business processes and human operations
- plan the realization, measurement, and management of digital transformation

**YM00BX86 Design thinking and development research: 5 ECTS****Learning outcomes**

The student is able to

- apply design thinking principles and appropriate procedures in different development tasks
- select and justify appropriate manners of approach and different functional research and development procedures in support of development tasks
- apply different types of research approaches and their differences and objectives for the purpose of different development challenges

## **LA00BO45 Strategic design and co-design: 5 ECTS**

### **Learning outcomes**

The student is able to

- develop operational strategies by applying design thinking
- develop new business and value creation models by applying future, ideation and user procedures
- plan, implement and facilitate joint planning workshops for developing tools to overcome strategic issues

## **YY00BW97 Innovating digital mobile solutions: 5 ECTS**

### **Learning outcomes**

The student is able to

- combine agility and design thinking in the development of a digital solution
- model and evaluate a digital omnichannel solution as a service process
- evaluate the added value a digital solution creates

## **LA00BO64 Digitalising business processes: 5 ECTS**

### **Learning outcomes**

Students examine business processes within the organization as well as connections with external stakeholders. Students evaluate opportunities for operations brought by digitalization. They implement a plan for streamlining the selected part of the business, and they make a strategic plan for implementing change.

## **YM00BX83 User orientation and service design: 5 ECTS**

### **Learning outcomes**

The student

- knows the basis and procedures for user orientated development processes and is able to apply them in service design tasks
- is able to apply practically planning and analysis procedures of service design
- is able to develop and innovate services and their user experience
- is able to manage service design processes
- is able to select appropriate procedures and is able to apply them on a case-by-case basis in the development of different services

## **AM00BV89 Information Design: 5 ECTS**

### **Learning outcomes**

The student is able to

- describe the basic principles of information design and analytically assess information design products
- choose appropriate ways to present information
- create visual presentations of abstract or complex information.

## **ST00BR56 Creative and Operational Procedures: 5 ECTS**

**Learning outcomes**

The student is able to

- apply creative theories in development work
- construct different production mechanisms for creative thinking
- select and apply different procedures of creative development to be used in practical development work
- facilitate creative development work in groups

**LA00BN40 Advanced Expert Studies: 5 ECTS****Learning outcomes**

The student is able to

- follow trends in the relevant field of specialization
- critically evaluate the sources of information about the current issues in the given field of expertise
- utilize innovative approaches and current knowledge bases to develop and manage operations

**YLI0058 Managing Well-Being at Work: 5 ECTS****Learning outcomes**

Student:

- understands the key concepts of managing well-being at work, the dynamics of a well-functioning work community and the importance of promoting psychosocial and physical well-being at work.
- is able to assess the impact of workplace well-being to work productivity and satisfaction.
- is able to utilize measures by which the well-being of the organization can be developed.
- is able to lead the organization's activities to promote well-being at work.

**YDIGS20SLTI-1002 Thesis: 30 ECTS****YO00BU70 Thesis Planning: 10 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.

**YO00BU71 Thesis Project and Reporting: 20 ECTS****Learning outcomes**

The student is able to

- implement the thesis on the basis of an approved thesis plan
- 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
- as a maturity test, write a blog post, a press release or an article.