Curriculum at Lahti University of Applied Sciences 2017-2018

Master's Degree Programme in Digital Technologies 17

Code	Name	1 y	ECTS total
TEYDIT17-1000 CORE COMPETENCE			50
TEYDIT17-100	1 Advanced Professional Studies		20
TEYDIT17-100	4 Future ICT Services		10
TE00BF32	Gamification	5	5
TE00BF33	ICT Workshop	5	5
TEYDIT17-1005 Developing ICT Services			10
TE00BF34	Virtualization and Cloud Services	5	5
TE00BF35	Big Data	5	5
TEYDIT17-1002 Thesis			30
LA00BF06	Thesis	30	30
TEYDIT17-1003 COMPLEMENTARY COMPETENCE			10

TEYDIT17-1000 CORE COMPETENCE: 50 ECTS

TEYDIT17-1001 Advanced Professional Studies: 20 ECTS

TEYDIT17-1004 Future ICT Services: 10 ECTS

TE00BF32 Gamification: 5 ECTS

Learning outcomes

The student is able to

- identify game-like activities and gamification possibilities in digitally operating environments
- design strategies and tactics to be integrated in the game mechanics of a digital service
- use core concepts, design patterns and meaningful code samples to be applied in a game

TE00BF33 ICT Workshop: 5 ECTS

Learning outcomes

The student

- is able to acquire information and knowledge independently and use it to carry out an ICT project
- is able to define a problem and find an appropriate solution that fulfills the requirements of the customer
- is able to plan and implement an ICT project
- is able to document the plan and implementation according to ICT standards

- can act both independently and as a part of a team, as required, to achieve project objectives

TEYDIT17-1005 Developing ICT Services: 10 ECTS

TE00BF34 Virtualization and Cloud Services: 5 ECTS

Learning outcomes

The student is able to

- describe and identify the possibilities of virtualization and cloud services to increase the efficiency of an ICT service

- design and implement a digital service using virtualization and could services on a selected platform

- discuss and justify the selection of virtualization and cloud services to be used as a platform for a digital service

TE00BF35 Big Data: 5 ECTS

Learning outcomes

The student is able to

- describe and identify big data; the main components, technologies and opportunities

- design the use of big data to achieve competitive advantage, to increase flexibility and to bring cost savings for companies of all sizes and public sector organizations

- discuss phenomena and to justify their opinions

TEYDIT17-1002 Thesis: 30 ECTS

LA00BF06 Thesis: 30 ECTS

Learning outcomes

The student is able to

- generate new knowledge and renew ways of working combining competencies from various sectors

- manage research, development and innovation projects and apply research and development methods

- utilise the research data in operational management and development

- critically analyse, reflect on and combine different approaches to operational development

TEYDIT17-1003 COMPLEMENTARY COMPETENCE: 10 ECTS

Courses included in the study module

You can find Complementary competence courses from separate "Complementary competence courses taught in English, Master's Degree, 17S-" Curriculum.

In addition, you can choose Professional Core Competence courses of other Master's Degree Programmes as Complementary competence courses.