

22.09.2017

Curriculum at Lahti University of Applied Sciences 2017-2018

Complementary competence courses for all Lahti UAS Master's degree students, 17S-

Code	Name	1 y	ECTS total
LAYTO17-1000 Common modules of Lahti University of Applied Sciences			0
LAYTO17-1043 Tutkimus- ja kehittämisopinnot			0
ST00AX00	Research-based development	5	5
0400BC20	Research-based development	5	5
LAYTO17-1044 Tulevaisuuteen johtaminen			0
TE00BC84	Societal change	5	5
TE00BC82	Societal change and future foresight methods	5	5
LA00BL91	Advanced expert studies	5	5
LA00BM50	Advanced expert studies	5	5
LAYTO17-1045 User-Centred Digital Services			0
0800BB97	Service Design	5	5
0800BB98	Future eServices	5	5
LAYTO17-1047 Smart Future Solutions 10 op			0
MI00BB74	Kaupunkimuotoilu		0
MI00BB75	Sustainable design	5	5
LAYTO17-1048 Työhyvinvointi ja luova kehittäminen			0
ST00BG34	Managing well-being at work	5	5
ST00BG35	Luovat ja toiminnalliset menetelmät	5	5
LA00BL90	Coaching for Business Mentoring	5	5
ST00BL95	YAMK – opiskelija työelämäosaajana AMK-koulutuksessa		0
LAYTO17-1049 Leading virtual teams			0
LT00BG36	Virtual Teams	5	5
LT00BG37	Virtual leadership	5	5
LAYTO17-1002 Modules of Faculty of Business and Hospitality Management			20
LI00BB59	Futures and strategies for international business	5	5
LI00BB60	Digitalization and client to market relationships in an international context	5	5
LI00BB62	Innovation management	5	5
LI00BB64	Regenerative leadership	5	5
LAYTO17-1009 Modules of Institute of Design and Fine Arts			5
MI00BB72	Brand management and development		0

LAYTO17-1015 Modules of Faculty of Social and Health Care 0

LAYTO17-1050 Management in Social and Health Care 0

ST00BG09	Regenerative leadership	5	5
ST00BB25	International Social and health Care	5	5
08TOJO3	Social and health economics	5	5

LAYTO17-1051 Regenerative Leadership in Social and Health Care 0

ST00BB30	Develop, manage and evaluate organizational activities with a strategy-driven approach	5	5
ST00BB29	Innovation and Competence Management	5	5
ST00BB31	Managers as Developers of Smoothly Functioning Workplaces	5	5

LAYTO17-1052 Digitalisation trends in healthcare and social services 0

ST00BB32	Knowledge management and reformed service strategy	5	5
ST00BB33	Utilising digital technologies in citizen services	5	5
ST00BB34	Storage, organisation and modification of digital information	5	5

LAYTO17-1053 Business competence in health and social services 0

ST00BB35	Customer insight in health and social services	5	5
ST00BB36	Service need assessment and case management	5	5
ST00BB37	Business competence: productivity and impact	5	5

LAYTO17-1060 Lasten ja nuorten hyvinvoinnin haasteet 0

08LAHA1	Everyday environments and institutions of children and young people	5	5
08LAHA2	Inclusion as a prerequisite of welfare	5	5
08LAHA3	Challenges for child protection and child welfare	5	5

LAYTO17-1061 Lasten ja nuorten hyvinvointia turvaava toiminta 0

08LATU1	Early support	5	5
08LATU2	Risk conditions and detection	5	5
08LATU3	Supporting children, young people and families living in risk conditions	5	5

LAYTO17-1021 Modules of Faculty of Technology 55

TE00BF32	Gamification		0
TE00BF34	Virtualization and Cloud Services		0
TE00BF35	Big Data		0
TE00BF37	GIS		0
TE00BB53	Climate Change and Air Pollution		0
TE00BB78	Product and Service Concepts in Smart Industries		0
TE00BB79	Managing Networks		0
TE00BB80	Potentials of Digitalisation and Robotisation		0
TE00BB81	Resource Efficiency and Industrial Symbioses		0
TE00BB91	Urban and Communicative Development		0
TE00BB92	Sustainable and Smart Cities		0

LAYTO17-1000 Common modules of Lahti University of Applied Sciences: 0 ECTS

LAYTO17-1043 Tutkimus- ja kehittämisopinnot: 0 ECTS

ST00AX00 Research-based development: 5 ECTS

Learning outcomes

A student is able to

- plan a workplace-oriented research-based development project
- use different methods of workplace development
- use research data in workplace development

0400BC20 Research-based development: 5 ECTS

Learning outcomes

A student is able to

- plan a workplace-oriented research-based development project
- use different methods of workplace development
- use research data in workplace development

LAYTO17-1044 Tulevaisuuteen johtaminen: 0 ECTS

TE00BC84 Societal change: 5 ECTS

Learning outcomes

A student is able to

- describe the perspectives used in future research and consideration of different transition processes in the society
- use working methods of future research and produce a case study based on them
- develop own professional thinking and working methods by future research

TE00BC82 Societal change and future foresight methods: 5 ECTS

Learning outcomes

A student is able to

- describe the perspectives used in future research and consideration of different transition processes in the society
- develop own professional thinking and working methods by future research
- use working methods of future research and produce a case study based on them

LA00BL91 Advanced expert studies: 5 ECTS

Learning outcomes

- 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

LA00BM50 Advanced expert studies: 5 ECTS

Learning outcomes

- 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

LAYTO17-1045 User-Centred Digital Services: 0 ECTS

0800BB97 Service Design: 5 ECTS

Learning outcomes

A student is able to

- develop and innovate user-centred digital services
- source and utilise user knowledge
- model the user experience
- analyse and optimise the feasibility of digital services
- manage the design process of digital services
- choose appropriate methods and apply them on a case-by-case basis in the development of different types of digital services

0800BB98 Future eServices: 5 ECTS

Learning outcomes

A student is able to

- describe the principles and operating logic of information systems from the point of view of clients and user-customers
- describe the information system development process and act as customers in IT contracts
- apply design thinking in the development of online services
- design digital service concepts and business models
- explain the role of databases and big data in online services
- evaluate the business potential of digital service concepts

LAYTO17-1047 Smart Future Solutions 10 op: 0 ECTS

MI00BB74 Kaupunkimuotoilu: 5 ECTS

MI00BB75 Sustainable design: 5 ECTS

Learning outcomes

Students

- know what to evaluate as sustainable development (environmental, social, and economic)
- know how to use prediction information on environmental change as a factor influencing business and design
- know how to search and apply the environmental legislation that is relevant to their professional field

- know how to demonstrate the importance of eco-efficient communication and product development strategies
- know how use high-quality design processes that take into account the aspects of product lifecycle, manufacturing methods and eco-efficient technology for the solutions of circular economy
- know how to combine eco-efficient thinking, user-driven design and consumer behaviour analysis
- know how to take into account the importance of sustainable development in communication, for example, when designing the visual identity of a brand or in product and service development.

LAYTO17-1048 Työhyvinvointi ja luova kehittäminen: 0 ECTS**ST00BG34 Managing well-being at work: 5 ECTS****Learning outcomes**

A student is able to:

- to describe the structure and tools of managing well-being at work
- to plan and develop operations that promote well-being at work
- to assess, develop and manage a project on strategic well-being at work

ST00BG35 Luovat ja toiminnalliset menetelmät: 5 ECTS**LA00BL90 Coaching for Business Mentoring: 5 ECTS****ST00BL95 YAMK – opiskelija työelämäosaajana AMK-koulutuksessa: 5 ECTS****LAYTO17-1049 Leading virtual teams: 0 ECTS****LT00BG36 Virtual Teams: 5 ECTS****Learning outcomes**

The student is able to

- explain the relevant trends and issues to be considered in distributed virtual organizations and virtual teams in international business context.
- develop a strategic approach to developing a virtual organization or virtual team in an international business context.
- recommend solutions that could be implemented in actualizing the chosen strategy to create the virtual organizations international business context and evaluating the associated risks.

LT00BG37 Virtual leadership: 5 ECTS**Learning outcomes**

The student is able to

- explain the relevant trends and issues to be considered in leading virtual organizations in international business context.
- develop a strategic approach to developing a virtual organization in an international business context.
- recommend solutions that could be implemented in actualizing the chosen strategy to create the

virtual organizations international business context and evaluation of the associated risks.

LAYTO17-1002 Modules of Faculty of Business and Hospitality Management: 20 ECTS

LI00BB59 Futures and strategies for international business: 5 ECTS

Learning outcomes

A student is able to

- explain the relevant trends and issues to be considered in developing a future business opportunity
- develop a strategic approach to developing the future business opportunity. Concepts such as working in projects, co-creation, collaborative networks, design thinking, circular economies, blue ocean and creating new market spaces will be explored.

Able to recommend solutions that could be implemented in actualizing the chosen strategy to create the business opportunity

LI00BB60 Digitalization and client to market relationships in an international context: 5 ECTS

Learning outcomes

A student is able to

- explain and determine the critical issues in customer centric management
- search and evaluate, perspectives, and solutions in order to create a customer centric business in
- recognize and analyze possibilities of digitalization, networks and customer relationships

LI00BB62 Innovation management: 5 ECTS

Learning outcomes

A student is able to

- explain the relevant concepts of innovation and innovation process
- drive the innovative processes and creatively overcome the impediments of innovation, in or between, organizations and the emerging business opportunity
- use different idea generation tools

LI00BB64 Regenerative leadership: 5 ECTS

Learning outcomes

The student is able to

- identify the current phenomena of management and to follow the current discussion of management and of working life
- identify the factors which affect a commitment to the change in an organisation and the elements of a successful change and change communication
- develop innovative solutions to the challenges of an organization

LAYTO17-1009 Modules of Institute of Design and Fine Arts: 5 ECTS

MI00BB72 Brand management and development: 5 ECTS

Learning outcomes

Student knows

- how to manage brand development processes
- how to build brand reputation and manage elements that build brand image
- how to develop, build and manage brands using different tools
- how to use knowledge about the consumer role as the brand co-creator in the recommendation based markets
- how to make the case for and apply visual communication as a brand development method and as part of a brand solution
- how to build and develop brands through multichannel communication

LAYTO17-1015 Modules of Faculty of Social and Health Care: 0 ECTS

LAYTO17-1050 Management in Social and Health Care: 0 ECTS

ST00BG09 Transformational leadership: 5 ECTS

Learning outcomes

A student is able to

- identify and apply a range of management and organisation theories, models and current management phenomena.
- identify and analyse the role of leadership in change management in health and social care
- analyse and develop organisational culture to advance organisational change and reform

ST00BB25 International Social and health Care: 5 ECTS

Learning outcomes

The student

- has an overview of contemporary discussion and future prospects about international social and health policies and related systems
- is able to predict international trends in one's own field
- understands the method of comparative research and its' usefulness for international health and social care development

08TOJO3 Social and health economics: 5 ECTS

Learning outcomes

A student is able to

- apply basic concepts of social and health economics consistently
- demonstrate knowledge of the basic principles of financial planning and monitoring at the operating unit level

LAYTO17-1051 Regenerative Leadership in Social and Health Care: 0 ECTS

ST00BB30 Develop, manage and evaluate organizational activities with a strategy-driven approach: 5 ECTS

Learning outcomes

A student is be able to:

- apply a range of management and organisation theories and models
- identify and analyse the role of leadership in change management in the health and social care sector

ST00BB29 Innovation and Competence Management: 5 ECTS

Learning outcomes

A student is be able to

- identify, evaluate and develop competencies at the individual and organisational level on a strategic basis
- identify key elements of innovative management and organisational culture and ways to influence them
- apply diversity management in operational regeneration

ST00BB31 Managers as Developers of Smoothly Functioning Workplaces: 5 ECTS

Learning outcomes

A student is able to

- critically appraise and develop the operation and well-being of a workplace organisation
- assume managerial responsibility for workplace challenges and resolutions
- develop interaction in the workplace and management
- apply the principles of ethical sustainability in managerial work

LAYTO17-1052 Digitalisation trends in healthcare and social services: 0 ECTS

ST00BB32 Knowledge management and reformed service strategy: 5 ECTS

Learning outcomes

The student is able to

- assess the motivation and working culture of a workplace organisation in digitalisation
- proactively develop the digitalisation competencies of a workplace by applying team competencies
- systematically analyse healthcare and social service reform at the national level and individual organisations' strategies in the planning and implementation of digital services

ST00BB33 Utilising digital technologies in citizen services: 5 ECTS

Learning outcomes

The student is able to

- identify and describe the meaning of digital services from the citizen's perspective
- regenerate services in a digital environment with an innovative approach
- guide customers in the use of digital services and promote self-directedness

ST00BB34 Storage, organisation and modification of digital information: 5 ECTS

Learning outcomes

The student is able to

- recognise the security aspect of customer data, data processing and systems
- resolve issues related to values and ethics in digital environments
- exploit channel diversity and adaptability in digital communications and activities

LAYTO17-1053 Business competence in health and social services: 0 ECTS

ST00BB35 Customer insight in health and social services: 5 ECTS

Learning outcomes

The student is able to

- use new communication and action methods in digital interaction with customers
- apply service design innovatively
- integrate customers, networks and multisectoral professionals in service development and provision

ST00BB36 Service need assessment and case management: 5 ECTS

Learning outcomes

The student is able to

- critically evaluate customers' service and guidance needs
- systematically build multiprofessional expertise and partnerships
- analyse customer information in service provision and case management

ST00BB37 Business competence: productivity and impact: 5 ECTS

Learning outcomes

Students is able to

- critically analyse the benefit, performance and economic efficiency of services
- apply business competence in the planning and implementation of services in a sustainable manner
- develop and lead from an entrepreneurial approach

LAYTO17-1060 Lasten ja nuorten hyvinvoinnin haasteet: 0 ECTS

08LAHA1 Everyday environments and institutions of children and young people: 5 ECTS

Learning outcomes

A student is able to

- apply theoretical knowledge of child and youth environments and institutions in the development of their chosen field

- communicate and interact with national and international target audiences in the social service sector in questions related to child and youth welfare

08LAHA2 Inclusion as a prerequisite of welfare: 5 ECTS

Learning outcomes

A student is able to

- consistently use national and international sources of information on the welfare and inclusion of children and young people
- develop activities designed to promote the welfare and inclusion of children and young people by building relationships of cooperation

08LAHA3 Challenges for child protection and child welfare: 5 ECTS

Learning outcomes

The student is able to

- express familiarity with the issues of counselling
- follow critically the international discussion on welfare of children and young people
- communicate in a verbal and written form to one's own national and international professional target groups on counselling

LAYTO17-1061 Lasten ja nuorten hyvinvointia turvaava toiminta: 0 ECTS

08LATU1 Early support: 5 ECTS

Learning outcomes

A student is able to

- critically appraise models and procedures of early support and early intervention
- develop different types of early support practices
- assess the impact of interventions
- develop network activities

08LATU2 Risk conditions and detection: 5 ECTS

Learning outcomes

A student is able to

- appraise and innovatively use national and international resources on the risk of social exclusion and marginalisation of children, young people and families
- search for and analyse the basic premises of the phenomenon of social exclusion and marginalisation

08LATU3 Supporting children, young people and families living in risk conditions: 5 ECTS

Learning outcomes

A student is able to

- develop models to support the inclusion of children, young people and families living in risk conditions and to evaluate the results and impact of development work
- work in demanding customer processes with awareness of values

LAYTO17-1021 Modules of Faculty of Technology: 55 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

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 cloud 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

TE00BF37 GIS: 5 ECTS

Learning outcomes

The student is able to

- seek information on GIS-related topics and use the terms and concepts consistently
- seek connections using geographic information and solve problems with GIS or related technologies
- develop and evaluate own skills in GIS independently and evaluate the effects of the results obtained by using GIS or related technologies

TE00BB53 Climate Change and Air Pollution: 5 ECTS

Learning outcomes

The student knows:

- the concept of the climate change
- typical mitigation methods to prevent global warming
- the EU climate and energy packages and emission trading system
- the most typical air pollutants and the ways the decrease emissions

TE00BB78 Product and Service Concepts in Smart Industries: 5 ECTS**Learning outcomes**

The students is able to

- apply design thinking in their work
- acquire and utilise user data in development work
- describe what service design is
- utilise user-oriented methods in solution business
- evaluate product and service solutions critically
- evaluate the added value brought by design thinking in production processes

TE00BB79 Managing Networks: 5 ECTS**Learning outcomes**

The student is able to

- develop an organization's innovation capability
- utilise different networks and information channels when improving operation
- describe an open innovation environment
- identify the opportunity of using weak links in creating innovations
- lead virtual teams

TE00BB80 Potentials of Digitalisation and Robotisation: 5 ECTS**Learning outcomes**

The student

- can identify the potentials of digitalisation in the development of technology industry
- can describe the significance of the industrial internet in the smart factories of the future
- knows the main principles of the flexible manufacturing system (FMS), including what technologies are required
- knows the structures and programming methods of industrial robots, and identifies possible applications for them
- can apply identification technologies in industrial digitalisation
- knows how to take usability into account when developing technical applications

TE00BB81 Resource Efficiency and Industrial Symbioses: 5 ECTS**Learning outcomes**

The student is able to

- describe the main principles of circular economy and understand the significance of resource efficiency as part of the wider concept of circular economy
- name different industrial symbioses

- explain the main principles of life cycle analysis methods
- assess the environmental impacts during the life cycle of products and processes, as well as the possibilities to reduce them
- identify methods to improve material and energy efficiency in different environments
- plan recycling possibilities for different material and by-product flows
- utilise Lean thinking

TE00BB91 Urban and Communicative Development: 5 ECTS

Learning outcomes

The student is able to

- analyze and discuss contemporary phenomena like urbanization and urban sprawl, transitions in urban areas and collaboration of professionals and stakeholders
- evaluate recent development and planning processes, their management and arrangement of participation in the processes
- reflect environmental issues from the professional point of view
- develop applications from theoretical background into practical situations

TE00BB92 Sustainable and Smart Cities: 5 ECTS

Learning outcomes

The student is able to

- describe what sustainable and smart solutions mean in urban environments
- collect and evaluate information of environmental research and technologies adaptable in the future environments
- develop applications in the field to existing urban case studies