

LAUREA UNIVERSITY OF APPLIED SCIENCES

Complementary competence bachelor's studies), Laurea Porvoo, CCP16SY

1. year

Y	CORE COMPETENCE	
T	COMPLEMENTARY COMPETENCE	15
0404	THE DEVELOPER OF DIGITAL HEALTH AND WELFARE SERVICES	
01548	The Citizens as Customers of Digital Health and Welfare Services	5
01549	The Digital Environment in Health and Welfare Services and its Ethics and Regulations	5
01550	Digital Service Development and Information Management in Health and Welfare Services	5
R023	OTHER COMPLEMENTARY COMPETENCES	
R0226	Participation in Voluntary Work	
		15

0404 THE DEVELOPER OF DIGITAL HEALTH AND WELFARE SERVICES, 15 cr

Description:

It starts with the unit where the main content is the citizen as customer in digital health and welfare services and how professionals are communicating in a digital environment. Then comes the study unit about digital health and welfare environment's with ethics and regulation in healthcare. At last comes the service design study unit, that will increase participant's competences about customer oriented user centered service design and co-creation process.

Responsible persons:

Otaniemi: Mikko Julin and Tuula Saarnio

01548 The Citizens as Customers of Digital Health and Welfare Services, 5 cr

The student is able to:

The Student is able to

- recognize and use e-Health and welfare services as they are today and recognize trends in future.
- discuss and describe what "citizen as customer of health and welfare services" means.
- empower customers to participate in their own health and welfare service in digital area.
- identify the need for professional-level communication in digital environments.
- guide the citizens in using digital eHealth and eWelfare service.

01549 The Digital Environment in Health and Welfare Services and its Ethics and Regulations, 5 cr

The student is able to:

The Student is able to

- understand basic health and social care informatics
- understand basic methods of technical informatics/computer science,
- understand and apply principles of evidence-based practice and evidence based clinical pathways
- understand and apply legal knowledge of confidentiality, IT-security and patient data privacy and protection

Contents of the study unit:

This study unit deals with health informatics and the general process of digitalization in health and welfare and the laws and regulations surrounding it.

- Partnership countries health and welfare environment, health and welfare informatics environment ex. Kanta services, Estonian X-Road
- How to store data, share data, refine data different databases
- Ethics, laws and regulations and customer safety data privacy and security
- Structural data, health and social classifications, the basic elements of support of decision making systems

01550 Digital Service Development and Information Management in Health and Welfare Services, 5 cr

The student is able to:

The Student is able to

- understand user centered service design and multi professional development process to digital services
- be able to apply future orientation and solutions centric working habits
- to understand different kind of data sources and structures and future possibilities to utilize data analytics for citizens' health promotion

Contents of the study unit:

The content of study unit

- service design process
- user centered approach
- future orientation and creative working habits
- project management and online collaboration
- databases and health information system usage and security
- Image analysis (Xray, brainscans, etc.) & remote diagnostics
- Internet of Things/sensor technology/wearables growing, so much more data available from individuals (MyHealth-data).
- Analytics and visualization

Study unit description:

This study unit deals with the development of digital services and the creation of competence in service design process. In the group-works there are lots of variations of service - service design, digital service, healthcare service. The aim of this study unit is to give future professionals skills in developing improved e-Health services. The point is give orientation and create interest to this topics.

R023 OTHER COMPLEMENTARY COMPETENCES, 15 cr

Description:

The aim of the studies offered in this module is to develop student's basic knowledge and skills. The studies will give basic abilities for the student to be able to manage on his/her studies in his/her field of studies. The student will conduct the appropriate studies from this module according to the initial tests or his/her needs. After completing the studies the student will have gained basic knowledge and skills to develop his/her skills to apply these competences.

Also other studies which develop professional skills can be offered in this module. Studies completed elsewhere can always be placed in this module.

R0226 Participation in Voluntary Work, 0 cr

Study unit description:

The student participates in voluntary work during his/her studies. As a volunteer the student develops his/her general working life competences, professional competences and competence related to social /societal themes. The competence is acknowledged as part of the other studies.