RĪGAS TEHNISKĀ UNIVERSITĀTE

Study programme "E-Learning Technology and Management"

Main attributes

Title	E-Learning Technology and Management
Identification code	EDE0
Education classification code	51523
Level and type	Doctoral (Third Cycle) Studies
Higher education study field	Information Technology, Computer Engineering, Electronics, Telecommunications, Computer Control and Computer Science
Head of the study field	Agris Ņikitenko
Deputy head of the study field	Jurģis Poriņš
Department responsible	Faculty Of Computer Science Information Tehnology And Energy
Head of the study programme	Atis Kapenieks
Professional classification code	
The type of study programme	Full time
Language	Latvian, English
Accreditation	29.11.2023 - 30.11.2029; Accreditation certificate No 2023/44-A
Volume (credit points)	288.0
Duration of studies (years)	Full time studies - 4,0
Degree or/and qualification to be obtained	Doctor of Science (Ph.D) in engineering and technology or Doctor of Science (Ph.D) in education / –
Qualification level to be obtained	The 8th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	Master degree of engineering science, natural sciences, arts, social sciences or education sciences, or comparable education

Description

Abstract	Study program „E-Learning Technology and Management" consists of 15 credits of obligatory subjects, 21 credits obligatory choice subjects, 150 credits of research and 6 credits of free choice subjects.
Aim	To develop interdisciplinary research in technology and educational sciences, thus developing at the international level research in the field of e-learning. To master existing and create new research methods for e-learning and related areas. To prepare specialists of the highest qualification at the 8th level of the Latvian and European Qualifications Framework for the development of large and complex projects, as well as for work in educational and knowledge support institutions according to the needs of tomorrow's knowledge economy.
Tasks	Tasks of the study programme: - to carry out research in situations where organizations use information systems to achieve their goals, particularly for learning and human resource development purposes; - to develop and test theories and models that describe the processes in the development and use of e-learning; - to carry out research with the aim to create new information systems and methods in the field of e-learning technologies; - to analyse the scientific literature in the fields of e-learning research and related sciences.; - to clarify the study tasks taking into account the work of other researchers.
Learning outcomes	GGraduate of the study programme: - is able to create competitive products in knowledge management, mobile and collaboration technologies, e-products and services; - is able to conduct academic and industrial interdisciplinary research and prepare it for publication in scientific journals; - is able to understand the needs of the knowledge society in the field of e-learning technologies to choose methods to meet these needs; - is able to initiate and prepare national and international e study research and development projects and manage such projects or parts thereof; - is able to follow the research and development of e-learning technologies in the world, evaluate the latest solutions and predict their impact; - is able to implement innovative e-learning courses and evaluate the results using the latest e-learning technology findings; - is able to create, develop and implement new ideas in the field of e-learning technologies.

Final/state examination procedure, assessment	The final examination is presentation of thesis (dissertation). The doctoral degree is awarded for independent promotional work (thesis), which contains original approved research results and provides new findings in chosen scientific field. The conformity of work is evaluated by the State scientific qualification committee, the experts of Latvian Science Council and the Promotional Council of corresponding scientific branch taking into account following criteria: completeness and novelty of investigations, conformity of content and volume of thesis, usage of advanced methods for analysis and data treatment, the presence of publications in peer reviewed international scientific issues, participation in international scientific conferences (seminars) and dissemination of results of investigation. Promotional Council makes decision by closed voting.
Description of the future employment	Graduate can work as self-employed person or individual businessman, as well as leading researcher at research institutions and as academic staff.
Special enrollment requirements	English language proficiency equivalent to at least CEFR B2 level.
Opportunity to continue studies	Lifelong education.

Courses

No	Code	Name	Credit points
A		**Compulsory Study Courses**	**23.0**
1	DE0230	E-Learning Technology (Distance Learning e-Course)	23.0
B		**Compulsory Elective Study Courses**	**30.0**
B1		**Field-Specific Study Courses**	**30.0**
1	DE0233	Instructional Technology and Media for E-learning	8.0
2	DE0238	Instructional Data Analytics and Education Intelligence	8.0
3	DE0231	Advances in Knowledge Management	8.0
4	DE0902	Cybersecurity and E-study Technologies	6.0
5	DE0901	University Didactics	6.0
6	DE0903	Educational Psychology (special course)	6.0
C		**Free Elective Study Courses**	**10.0**
E		**Final Examination**	**225.0**
1	DE0900	Research Work	225.0