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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	Third-Cycle Higher Education (Doctoral) Studies
Higher education study field	Information Technology, Computer Engineering, Electronics, Telecommunications, Computer Control and Computer Science
Head of the study field	Agris Nikitenko
Deputy head of the study field	Jurģis Poriņš
Department responsible	Faculty of Computer Science, Information Technology 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)	264.0
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 Social Sciences
Qualification level to be obtained	The 8th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	1. Second cycle higher education in computer science, information technology, electronics, or mathematics, or comparable education and an entrance examination. English language skills equivalent to at least B2 level (for studies in English). 2. Second cycle higher education in natural sciences, educational sciences, or social sciences or humanities and arts, and at least two years of professional work experience in the field of educational sciences, and an entrance examination. English language skills equivalent to at least B2 level (for studies in English).

Description

Abstract	Studies and research work are carried out according to an individually developed plan of the doctoral student, which is approved upon commencement of studies and is regularly monitored during studies. The development of a doctoral dissertation is the main work of the doctoral student, where new scientific results must be independently obtained. They must be published and presented in the form of a dissertation. The doctoral dissertation must be prepared for submission to the promotion council.
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	Graduate 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	—
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	LA0986	Pedagogical Strategies for Personality Socialization	3.0
6	LA0028	Transformative Education for Self-realization of Personality	6.0
7	LA0258	Quality Dimensions of Educational Environment	6.0
8	LA0030	Educational Strategies for Research Competence	6.0
9	LA0987	Idea Lab: Pedagogical Solutions for Personality Socialization	6.0
10	LA0988	Think Tank Laboratory: Pedagogical Solutions in the Context of Transformative Education	6.0
11	LA0989	Management Theories	8.0
12	DE0901	University Didactics	6.0
13	DE0903	Educational Psychology (special course)	6.0
C		Free Elective Study Courses	10.0
E		Final Examination	201.0
1	DE0900	Research Work	201.0