

DOCTORAL STUDY PROGRAMME

E-LEARNING TECHNOLOGY AND MANAGEMENT

Title	E-Learning Technology and Management
Identification code	EDE0
Education classification code	51481
Field of studies	Electrical Science
Level and type	Doctoral Study
Higher education study field	Information Technology, Computer Engineering, Electronics, Telecommunications, Computer Control and Computer Science
Head of the study field	Jānis Grundspenķis
Deputy head of the study field	Jurgis Poriņš
Department responsible	Faculty of E-Learning Technologies and Humanities
Head of the study programme	Atis Kapenieks
Professional classification code	
The type of study programme	Full time
Language	Latvian
Accreditation	31.05.2013 - 30.05.2019; Accreditation certificate No 21
Volume (credit points)	192.0
Duration of studies (years)	Full time studies - 4,0
Degree or/and qualification to be obtained	
Qualification level to be obtained	The 8th level of European Qualifications Framework (EQF) and Latvian Qualifications Framework (LQF)
Programme prerequisites	

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	The goal of study program is to provide the highest qualification corresponding to doctor's level in the field of information technologies, as well as for academic work.
Tasks	General tasks of study program: - to ensure competitive doctorate level education in Automation and Computer Engineering; - to guarantee the higher education in fundamental sciences linked with direction, to provide skills to formulate and to solve independently scientific and practical tasks, and knack to organize and to lead research work, to provide skills and experience necessary for pedagogical
Learning outcomes	Graduates of program: - is able to create (to design, to implement and to adapt) essential engineering processes, - is capable to receive national and international recognition (with publications and patents) using original scientific ideas and to broaden technological possibilities and knowledge, - Taking into account technological, social, short-term and economical restrictions, graduate is able to carry out critical analysis, evaluation and synthesis of new and complicated ideas, - Graduate is able to make responsible decisions, to plan projects and to calculate necessary resources within international context, to communicate with colleagues, international scientific community and society about his/her ideas and experience. - Graduate can promote (within academic and professional context) technological, social or cultural progress of knowledge based society.
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	N/A

Courses

No	Code	Name	Credit points
A		Compulsory study courses	15.0
1	RTC601	E-Learning Technology (Distance Learning e-Course)	15.0
B		Compulsory elective study courses	21.0
B1		Field-specific study course	21.0
		<i>E-Study Technologies and Management</i>	
1	RRI695	Mobile Communications Systems	5.0
2	RAE603	Telecommunications and Data Networks	5.0
3	RRI697	Signal Processing Theory	5.0
4	DSP640	Advances in Knowledge Management	5.0
5	DSP641	Advances in Information Systems Development	10.0
6	DSP634	Structural Modelling	10.0
7	DSP637	Advanced Methods in Computer System Design	10.0
8	DSP638	Distributed Intelligent Systems	5.0
C		Free elective study courses	6.0
E		Final examination	150.0
1	RTC009	Research Work	150.0