

**FACULTY OF ENGINEERING
STUDY COURSE DESCRIPTION**

Course Title:	INNOVATIONS AND PROJECT MANAGEMENT				
Course code (LAIS):	VadZ6013				
Study programme:	Virtual Reality and Smart Technologies				
Level of Study programme:	<input type="checkbox"/>	1st level professional higher education			
	<input type="checkbox"/>	Professional Bachelor			
	<input checked="" type="checkbox"/>	Professional Master			
	<input type="checkbox"/>	PhD level			
Type of Study programme:	<input checked="" type="checkbox"/>	Compulsory course (Part A)			
	<input type="checkbox"/>	Professional specialization courses (Part B, compulsory)			
	<input type="checkbox"/>	Professional specialization optional courses (Part B, optional)			
	<input type="checkbox"/>	Elective courses (Part C)			
Course Workload:	Credits	ECTS	Academic hours	Contact hours	Independent work hours
	2	3	80	24	56
Course Author/ Tutor:	Linda Lancere				
	Dr.sc.ing.				
	linda.lancere@gmail.com				
	Consultation: according to the schedule for each semester				
Course Form:	Full time				
Study year, semester:	1 st year, 2 nd semester				
Language:	Latvian, English				
Prerequisites for the Course:	-				
Course Summary:	<p>The aim of this course is to give practical and theoretical knowledge in the latest tendencies in innovations and implementation. In frames of this course are introduced with innovation management methods, evaluate related risks. During practical workshops and independent tasks, students are given the opportunity to understand the process from creation of idea to business plan.</p>				
Course Methods:	Lectures, practical activities, workshops, theory tests, final assessment etc.				
Assessment:	Examination				
Requirements for Credits:	<p>1. Theoretical study performed 2. Passed each lecture's practical activity Final examination consists of oral questions and practical activity. If all requirements are not met on time, student is not allowed to pass the exam. For delayed exam requirements, max score is decreased.</p>				
Course Contents:	<p>Innovation and project concept Creation of innovation and implementation steps Critical evaluation of innovation, proof of concept Innovation project team Innovation project implementation plan Innovation management tools Knowledge and technology transfer in innovation process Support attraction in innovation process – accelerators, business incubators, technology transfer centres, technology centres and parks, competency centres Business plan – problems, target customer, market, competitors, risk analysis Financing options and attraction Development of support attraction application Pitching and networking</p>				

Learning Outcomes; the evaluation methods and criteria	Learning Outcomes	The evaluation methods and criteria	
	Knowledge		
	Knowledge on nowadays innovation classification, significant differences, tendencies	Theoretical study performed	
	Knowledge on innovation process planning and implementation	Theoretical study performed	
	Knowledge on innovation related risks, target market, competition	Theoretical study performed	
	Knowledge on available financing choices and support for innovations, business plan development principles	Theoretical study performed	
	Skills		
	Skills to create idea and it's evaluation	Filled and uploaded workshop protocol.	
	Shows understanding on specific innovation's potential planning steps, sequence, appropriate management tools.	Filled and uploaded workshop protocol.	
	Realizes development of accelerator application	Filled and uploaded workshop protocol.	
	Competency		
	Shows ability to critically analyse and evaluate innovation idea, problems, suggest the most appropriate solutions	Individual exam with oral questions and practical assessment.	
	Independently realizes planning, resource allocation, defines tasks and implementation schedule	Individual exam with oral questions and practical assessment.	
	Shows ability to plan budget, evaluate risks, necessity to attract specific financial support	Individual exam with oral questions and practical assessment.	
	Course Compulsory literature:	PROJEKTU VADĪŠANAS PAMATI, Balode, A., 2009.	
Course additional literature:	1. The Lean Startup: How Today's Entrepreneurs Use Continuous Innovation to Create Radically Successful Businesses, Ries, E.		
Course confirmation date:	08.12.2017.		
Date of course description update:			

Study Course Plan:

Date	Theme	Academic hours		Study Form
		Contact hours	Independent work hours	
	Innovation and project concept Creation of innovation and implementation steps	3	9	Theoretical lecture. Practical activity.
	Critical evaluation of innovation, proof of concept Innovation project team	3	9	Theoretical lecture. Practical activity.
	Innovation project implementation plan Innovation management tools Knowledge and technology transfer in innovation process	3	9	Theoretical lecture. Practical activity.

	Support attraction in innovation process – accelerators, business incubators, technology transfer centres, technology centres and parks, competency centres Business plan – problems, target customer, market, competitors, risk analysis Financing options and attraction	3	9	Theoretical lecture. Practical activity.
	Development of support attraction application	3	9	Theoretical lecture. Practical activity. Theoretical test
	Pitching and networking	4	11	Theoretical lecture. Practical activity.
	Final examination	5	-	Final examination with oral questions and practical activity.
	Total:	24	56	