VIDZEMES AUGSTSKOLA

FACULTY OF SOCIETY AND SCIENCE
STUDY COURSE DESCRIPTION

Course Title:	**Innovation and Technology Management**				
Course code (LAIS):	*Course code is assigned after registration in the study information system*				
Study programme:	**BUSINESS ENVIRONMENT ADMINISTRATION**				
Level of Study programme:	☐	Short-cycle professional higher education			
	☐	Professional Bachelor			
	☒	Professional Master			
	☐	Academic Master			
	☐	PhD level			
Type of Study programme:	☐	Compulsory course (Part A)			
	☐	Professional specialization courses (Part B, compulsory)			
	☒	Professional specialization optional courses (Part B, optional)			
	☐	Elective courses (Part C)			
Course Workload:	**Credits/ ECTS**		**Academic hours**	**Contact hours**	**Independent work hours**
	3		75	24	51
Course Author/ Tutor:	**Kārlis Krēsliņš**				
	Guest professor, PhD				
	e-mail: karlis.kreslins@va.lv				
	Consultation: according to the schedule for each semester				
Study Form:	Full time studies				
Study year, semester:	2025 spring semester				
Language:	Latvian/English				
Prerequisites for the Course: *(if necessary)*	Basics of Entrepreneurship				
Course Summary:	The course provides students with an overview about innovation and technologies, and its' role within the company. During the classes, students will learn about different innovation models and methods as well as about the concept of innovation diffusion. Students will also be acquainted about technology cycles, they will understand link between innovation, technology and business models. Certain part of the course will be devoted to innovation management in open, closed and complex systems, about innovation networks as well as about creativity and design thinking. During the course students will be able to have hands-on sessions at the Innovation coworking lab in Valmiera as well as will have several study visits to explore best innovation examples at the national and international level. At the end of the study course students will analyze best practices of innovative and technology-based companies as well as will learn and evaluate necessary requirements, opportunities and risks for creating innovative company or organization. The study course is aligned with requirements and recommendations from the employers.				
Assessment:	Exam				
Requirements for Credits:					
Abiding by the Academic Ethics	Students must abide by the academic and research ethics, Vidzeme University of Applied Sciences Ethics Regulations, incl.: – study papers must be independently developed; – the study work should reference all statements, ideas and data used that have been authored by someone else; – appropriate data acquisition methods should be used in the acquisition of data, the research ethics must be respected, empirical data must be collected independently and cannot be distorted or falsified; – the examination must be carried out by the student independently, without the use of supporting materials and/or consultations with other students, unless the lecturer states otherwise. In the event of non-compliance with the academic and research ethics, punishment is imposed in accordance with the ViA Ethics Regulations and the study course must be re-taken, unless the punishment is exmatriculation.				

	Learning Outcomes	The evaluation methods and criteria
Learning Outcomes; the evaluation methods and criteria	**Knowledge**	
	Gain knowledge and comprehensive understanding of strategic human resource management, theories, processes and functions of human resource management and modern methods of human resources management.	SPSR 1
	Skills	
	Be able to evaluate, argue, justify and debate current issues, challenges and debates in human resources management.	SPSR 2,3
	Know how to develop a personnel management system, policy, strategy, time management, motivation, planning and evaluation, crisis management, cooperation and teamwork, planning and independent work organization.	SPSR 2,3
	Competency	
	Is able to identify and critically analyse complex professional issues in the field of human resource management, research, evaluate, analyse and argue about human resource management models and processes in a business environment.	SPSR 4,5
	Organisational and managerial competences are developed, including planning, leadership, teamwork, horizontal cooperation skills and accountability for performance.	SPSR 4,5
Course Compulsory literature:	• Schilling, M.A. (2016). *Strategic Management of Technological Innovation* (5th ed.). McGraw-Hill, New York, NY, USA. (ISBN-1259539067). • Laudon, K.C. and J. P. Laudon (2020). *Management Information Systems: Managing the Digital Firm* (16th ed.). Pearson, New York. • Osterwalder and Pigneur (2010) *Business Model Generation* (1e). Wiley Hoboken, NJ, USA.	
Course additional literature:	• Bratta, B., Romano, L., Acciari, P. and F. Mazzolari (2022). Assessing the impact of digital technology diffusion policies: Evidence from Italy. *Economics of Innovation and New Technologies*. • Adner, R. and R. Kapoor (2016). Innovation ecosystems and the pace of substitution: Re-examining technology S-curves. *Strategic Management Journal*, 37(4). • Felin, T. and T. R. Zenger (2014). Closed or open innovation? Problem solving and the governance choice. *Research Policy*, 43(5): 914-925.	
Course confirmation date:		
Date of course description update:		

Evaluation of study results	Evaluation criteria of study results (100 %)	Practical work	30%
		Performance in classes	10%
		Study course tests (report, test, essay, control work, etc.)	
		Study work development	
		Exam	60%

Evaluation criteria of study results	Study course learning outcomes	Performance in classes	Study course tests (report, test, essay, laboratory work, etc.)	Practical work (individual, group work)	Study work development	Exam

	SKR 1.1.	x				x
	SKR 2.1.	x		x		x
	SKR 2.2.	x		x		x
	SKR 3.1.	x				x
	SKR 3.2.	x				x

Organization of students' individual/ independent work	Students' individual/ independent work (56 h)	Students' individual/independent work (%)	*% (For example)*
		Practical work	30%
		A regular learning of the course by using lecture materials, study literature, internet resources, etc.	30%
		Homework assignment completion	20%
		Preparations for the tests	
		Study work development	
		Preparations for the exam	20%

Study Course Plan:

Date	Theme	Academic hours		Study Form/ Organization of independent work of students and task description
		Contact hours	Independent work hours	
The date is specified before the implementation of the course	Introduction. Innovation and technology in a systemic view. Sources and types of innovation and technology. Diffusion of innovation.	4	7	Lecture and practical workshop
	Technological cycles and technological speciation. Management innovation. Business models and intellectual property. Creativity and design thinking.	4	9	Lecture and practical workshop
	Managing innovation in open, close and complex innovation systems.	4	8	Lecture and study visit
	Innovation and technology strategy. Innovation networks.	4	9	Lecture and study visit
	Managing innovation through experimentation and improvisation. Managing innovation and technology – new product and solution development.	4	9	Lecture and seminar
	Building innovative and technology-based companies and organisations.	4	9	Lecture and seminar
	Hours total:	***24***	***51***	