

Course syllabus for First cycle studies					
1.	Course title	Management of Innovation			
2.	Code	MDE7E4			
3.	Study Program	Metallurgical Digital Engineering			
4.	Study program organizer (unit, institute, department, division)	Faculty of Technology and Metallurgy in Skopje, Ss. Cyril and Methodius University			
5.	Degree (first, second, third cycle)	First cycle			
6.	Academic year / semester	IV/VII	7.	Number of ECTS	6 ECTS
8.	Instructors	Prof. Irina Piperkova			
9.	Prerequisites for course enrollment	none			
10.	Objectives of the course syllabus (competences): The aim of the course is to introduce students to different aspects of management of innovation and deepen their knowledge of the role and significance of innovation management, the impact of innovation on company competitiveness, including the relevant methods and techniques of management of innovation. Within this course, the innovation management process will be analyzed from a micro and macro perspective in order to assess the impact of innovation management on organizations, including the strategic business imperatives for innovation, as necessary components of new business approaches today. Acquired skills (competences): Students will understand the concept of management of innovation as a theoretical concept, model, and the available tools and techniques, which will enable them to adequately analyze the innovation management approaches and evaluate alternative practices in management of innovation. Students will also be able to identify and analyze the relationship between innovation and organizational performance, the role of innovation in achieving sustainable competitive advantage of organizations, the factors that influence innovation, and the role of the state in stimulating and encouraging innovation.				
11.	Content of the course: Innovation: Introduction and challenges Concept and importance of innovation The importance of innovation The role of state in encouraging innovation Sources of innovation Assumptions and barriers to innovation The Process of Innovation Models of Innovation Managing innovations in organizations: Methods and techniques Organizational aspects of innovations Innovation Strategy Creative approaches to innovation Intellectual property of innovation management Development of a new product / service Open innovation and technology transfer				
12.	Study methods: Teaching is conducted in the form of lectures with discussions, case study analyses, elaboration of best practices, as well as interactive methods which include independent and team student assignments, presentations and more.				
13.	Total available time		6 ECTS x 30 = 180 hours		

14.	Allocation of available time		30+30+30+30+60=180			
15.	Teaching activities	15.1.	Lectures - theory	30 h		
		15.2.	Tutorials (laboratory, auditory), seminars, teamwork	30 h		
16.	Other types of activities	16.1.	Projects	30 h		
		16.2.	Individual activities	30 h		
		16.3.	Studying	60 h		
17.	Grading system					
	17.1.	Tests	20			
	17.2.	Seminar paper/project, presentation	30			
	17.3.	Final exam	50			
18.	Grading criteria(points/grade)	Up to 61 points		5 (five) (F)		
		From 61 to 69 points		6 (six) (E)		
		From 70 to 79 points		7 (seven) (D)		
		from 80 to 89 points		8 (eight) (S)		
		From 90 to 95 points		9 (nine) (B)		
		from 95 to 100 points		10 (ten) (A)		
19.	Prerequisites for taking the final exam	Completed activities (projects)				
20.	Language in which lectures are conducted	English				
21.	Method for monitoring the quality of lectures	Internal evaluation mechanisms				
22.	LITERATURE					
	22.1.	Compulsory literature				
		No.	Author	Title	Publisher	Year
		1.	Tidd, J. & Bessant, J.	Managing Innovation: Integrating Technological, Market and Organizational Change, 7 th Ed.	Wiley	2021
		2.	Trott, P.	Innovation Management and New Product Development, 6 th Ed.	Pearson	2017
		3.				
	22.2.	Additional literature				
		No.	Author	Title	Publisher	Year
		1.	Gaubinger, K., Rabl, M., Swan, S. & Werani, T.	Innovation and Product Management: A Holistic and Practical Approach to Uncertainty Reduction	Springer	2015
		2.				
		3.				