

Annex No. 3		Second Cycle Studies Course Programme			
1.	Course Title	Digitalization Policies and Programs in the EU			
2.	Code	EUS 519			
3.	Study programme	Postgraduate studies in European Economic Studies			
4.	Organizer of the study programme (university unit i.e. institute, chair, department)	Ss. Cyril and Methodius University in Skopje Faculty of Economics - Skopje			
5.	Level (first, second, third cycle)	Second cycle of studies			
6.	Academic year / semester	First year/second (summer) semester	7.	Number of ECTS credits	6
8.	Professor	Prof. Borce Trenovski, PhD			
9.	Preconditions for enrolment	Completed first cycle of studies with at least 240 ECTS credits			
10.	<p>Course Objectives (Competencies):</p> <p>The teaching should provide conceptual training for analysis of the theoretical and practical implications of the modern digitalization processes in the European Union and the fundamental approaches to creating optimal economic policies related to digitalization.</p> <p>The purposes of teaching this subject are:</p> <ol style="list-style-type: none"> 1. Understand the process of the digital revolution and how it is transforming the world as we know it with unprecedented speed; 2. To elaborate on the critical role and positive impact of digital technologies on society, economy, and citizens' own lives; 3. To distinguish the positive from the opposing sides, as well as the possibilities from the threats of the new digital technologies both on the economy and on the society and the everyday life on the citizens; 4. Increase knowledge of how digital technologies change the way businesses operate, the way people connect and exchange information, and how they interact with the public and private sectors; 5. To learn about the active role of the European Union in shaping the digital economy with policy initiatives ranging from increasing investment to reforming EU law to outlawing acts to improve coordination between the Member States and the exchange of best practices; 6. Understand the importance of initiatives in the areas of digitalization of industry and public services, investments in digital infrastructure and services, research programs, cybersecurity, e-commerce, copyright legislation, and data protection for the EU economy; 7. To determine the importance of the European institutions in shaping the institutional framework that will help citizens and businesses to make full use of the potential of digital technologies; 8. Understand the importance of the Digital Europe Program (2021-2027) as the first funding program dedicated solely to supporting digital transformation in the EU; 9. To gain knowledge about the best policies, programs, and practices implemented by EU countries in the context of digitalization of the economy and society; 10. Recognize the need for an appropriate policy framework and appropriate skills and infrastructure needed for the digitalization of the domestic economy and public sector in line with EU experience and legal frameworks; 11. May discuss the need to increase investment in infrastructure, strengthen innovation, encourage digitalization of businesses, reduce existing digital divisions, remove remaining barriers to the digital single market, and provide an appropriate legal and regulatory framework in the areas of advances processing and data, artificial intelligence, and cyber security. 				
11.	Course content:				

	<ol style="list-style-type: none"> 1. Introduction 2. The power of information technology 3. Digital and innovative government 4. Artificial intelligence – Opportunities and threats 5. Chhallenges and regulation of new technologies 6. Platform-based economics: Micro- and macroeconomics in digital markets 7. How does European Union deal with digital transformation? 8. Legal and economic challanges related to digital issues in the EU 9. Regulation and the digital economy in the EU 10. The role of European institutions in shaping and implementing the digitalization process and exploiting the potential of digital technologies 11. Public sector digitalization policies and programs and public policies in the EU 12. The Digital Europe Program (2021-2027) in support of digital transformation in the EU 13. Mapping the best policies, programs, and practices implemented by EU countries in the context of the digitalization of the economy and society 14. The Macedonian economy in the context of European digitalization policies and programs 					
12.	Learning methods: Lectures, interactive teaching, quizzes, projects, movies supported by LCD and Power Point.					
13.	Total hours	6 ECTS x 30 classes = 180 classes				
14.	Allocation of hours per activity	24+16+40+10+90 = 180 classes				
15.	Types of teaching activates	15.1.	Lectures-theoretical teaching	24 classes		
		15.2.	Exercises (laboratory, auditory), seminars, teamwork	16 classes		
16.	Other types of activities	16.1.	Project assignments	40 classes		
		16.2.	Independent Assignments	10 classes		
		16.3	Homework	90 classes		
17.	Grading method: 60+30+10=100 points					
	17.1.	Tests	60 points			
	17.2.	Individual work/project (with presentation)	30 points			
	17.3.	Attendance and class participations	10 points			
18.	Grading scale	less than 50 points	5 (five) (F)			
		from 51 to 60 points	6 (six) (E)			
		from 61 to 70 points	7 (seven) (D)			
		from 71 to 80 points	8 (eight) (C)			
		from 81 to 90 points	9 (nine) (B)			
		from 91 to 100 points	10 (ten) (A)			
19.	Preconditions for taking the final exam	Realized activities from points 15 and 16				
20.	Language	Macedonian				
21.	Evaluation method	Internal evaluation and survey				
	Literature					
	22.1.	Compulsory literature				
		No.	Author	Title	Publisher	Year

		1.	Mirela Mărcuț	<i>The Governance of Digital Policies: Toward a New Competence in the European Union</i>	Palgrave Pivot	2020
		2.	European Commission	<i>Special Eurobarometer 460: Attitudes towards the Impact of Digitization and Automation on Daily Life</i>		2017
		3.	European Commission	<i>Communication on Digitising European Industry – Reaping the Full Benefits of a Digital Single Market</i>		2016
		4.	Scott Marcus J., Petropulos G., Yeung T.	The European Digital Single Market Delivering Economic Benefits for Citizens and Businesses	European Parliament	2019
		5.	Szczepański M.	Digital Europe Programme: Funding Digital Transformation beyond 2020	European Parliament	2020
		6.	European Parliament	European Artificial Intelligence (AI) Leadership, the Path for an Integrated Vision		2018
		Additional literature				
		No.	Author	Title	Publisher	Year
	22.2.	1.	OECD	<i>Going Digital: Making the Transformation Work for Growth and Well-Being</i>		2017
		2.	European Commission	<i>Digitising European Industry Reaping the full benefits of a Digital Single Market</i>		2016
		3.	European Commission	<i>A Connected Digital Single Market for All</i>		2017