1.	Course Title	duction to Ecoinformatics								
2.	Code	F18L3S084								
3.	Study program	Software engineering and information systems								
4.	Study Program Organizer	Faculty of Computer Science and Engineering								
5.	Degree (first, second, third cycle)	first cycle								
6.	Academic year / semester 2 / summer / optional	7. ECTS credits 6								
8.	Teacher	full professor Kosta Mitreski								
9.	Course enrollment prerequisites	Вовед во компјутерски науки								
	science. It integrates environmental a language processes common to peop research and management of the envi environmental information database combination of different environmer https://cals.wisc.edu/ecoinformatics/ https://www.witpress.com/Secure/elibr df	Formation (informatics) in ecology and environmental and information science to define entities and natural ole and computers. EcoInformatics aims to facilitate ronment by developing ways of accessing, integrating s and developing new algorithms that allow the ntal databases to test the environmental hypotheses. Fary/papers/9781845642075/9781845642075003FU1.p								
11.	Course program content: Introduction to Eco-Informatics. Tools for analyzing data from the natural system. Monitoring and acquisition of the data needed for Ecoinformatics. Ecological modeling. Visualization of data and results obtained. Machine Learning in Eco Informatics.									
12.	12. Learning methods: Lectures using presentations, interactive lectures, exercises (using equipment and software packages), teamwork, case studies, invited guest lecturers, independent preparation and defense of a project assignment and seminar work.									
13.	Total available time	6 ECTS x 30 hours = 180 hours								
14.	Distribution of the available time	30 + 45 + 15 + 15 + 75 = 180 hours								
15.	Teaching activity forms	15.1.Lectures–theoretical 30 hours15.2.Exercises(laboratory, 45 hoursauditory), seminar papers,teamwork								

16.Other activity forms			16.1	Project Tasks		15 hours
			16.2	. Independent	Learning Tasks	15 hours
			16.3	. Home learni	ng	75 hours
17.Assess	sment n	nethodology				1
17.1.	Tests			10 p		oints
17.2.	Semina	r paper/project (preser	ntation:	written and or	oints	
17.3.	Activity	y and learning		10 p		oints
17.4.	Final ex	kam		70 p		oints
18.Assess	sment c		ve) (F)			
			-	51 to 60 points		(E)
				61 to 70 points 7 (seven) (D) 71 to 80 points 8 (eight) (C)		
			-	81 to 90 points		ne) (B)
			-	91 to 100 points		$\frac{(B)}{(B)}$
19.Course	e con ements	npletion and final			vities 15.1 and 1.	
20.Teaching Language				Macedonian and English		
		lity evaluation method	1	Internal questionnaires	evaluation	mechanisms and
22.Course	e Mater	rial		1		
22.1.	Mand	latory course material				
	No	Author	Title		Publisher	Year
	IVladimirF.NewKrapivin,CostasEcoinform		ormatics	Springer	2017	
		A. Varotsos,	Tools	in		
		Vladimir Vu	L'nuro	nmontal		
		Vladimir Yu. Soldatov		nmental		
		Vladimir Yu. Soldatov	Scienc Applic	e: ations and		
	2	Soldatov	Scienc Applic Decisio	e: ations and on-making	SBS	2009
	2		Scienc Applic Decisio	e: ations and on-making ormatics: and	SBS Publishers & Distributors, 2009	2009

22.2.	Additional course material							
	No.	Author	Title	Publisher	Year			