Master's Programme Curriculum Field of study: Data Science and Business Analytics

Academic year 2019/2020

25.03.201

										25.03.201	
No	Course code	Course name	Course		year I II			Total Hours/ECTS	Form of		
		Course name	type		1	2	3	4	Credits	credit	
А	General Courses				<u> </u>	2	3	4			
		OGUN (elective from University	general	hours		30	30		60		
1		offer, humanistic profile)	classes	ECTS		3	3		6	Credit	
		Total of hours in the group of courses			0	30	30	0	60		
		ECTS of credits in the group of courses			0	3	3	0	6		
В	Core courses										
2	2400-DS1AMI	Applied Microeconomics	lecture	hours	45				45	written	
_				ECTS	5				5	exam	
3	2400-DS1AMA	Applied Macroeconomics	lecture	hours	45				45 5	written	
	<u> </u>		locturo	ECTS	5	30			5	exam	
4	2400-DS1AE	Advanced Econometrics	Advanced Econometrics	lecture	hours		30			60	written
	2100 201712		lab	ECTS		<u> </u>			6	exam	
			lecture	hours			30		-		
5	2400-DS2AF	- FF	lab	hours			15		45	written exam	
			lab	ECTS			5		5	exam	
		Total of hours in the group of courses			90	60	45	0	195		
0	Field of study of	ECTS of credits in the group of courses			10	6	5	0	21		
С	Field -of study co	K: Intro / data cleaning and		hours	1				15	writtop	
6	2400-DS1R	imputation R / basics of	lab	hours	15				15	written exam	
		Visualisation Python and SQL: intro / SQL		ECTS hours	3 30				3 30	елапт	
7	2400-DS1SQL	platforms	lab	ECTS	4				4	Credit	
			lecture	hours	-	30					
8	2400-DS1AL	Algorithms for Data Science		hours		15			45	written	
			lab	ECTS		6			6	exam	
9	2400-DS1ST	Statistics and Exploratory Data	lab	hours	30				30	Credit	
5	2400 03131	Analysis	100	ECTS	5				5	cicuit	
10	2400-DS1DS	Introduction to Data Science	lecture	hours	15				15	written	
				ECTS	3				3	exam	
11	2400-DS1UL	Unsupervised Learning	lab	hours	30				30	Credit	
		Wohsersping and Social Modia		ECTS hours	3	15			3 15		
12	2400-DS1WSMS	Webscraping and Social Media Scraping	lab	ECTS		3			3	Credit	
				hours		15			15	written	
13	2400-DS1APR	Advanced Programming in R	lab	ECTS		5			5	exam	
1.4		Machina Loarning 1. classification m	lah	hours		30			30	Cradit	
14	2400-DS1ML1	Machine Learning 1: classification m	lab	ECTS		4			4	Credit	
15	2400-DS2AV	Advanced Visualisation in R	lab	hours			30		30	Credit	
Ĺ				ECTS			6		6		
16	2400-DS2TMS	Text Mining and Social Media Mining	lab	hours			30		30 4	written	
				ECTS hours			4 15		4 15	exam	
17	2400-DS2BDA	D-DS2BDA Big Data Analytics	lab	ECTS			2		2	Credit	
	2400-DS2ML2	Machine Learning 2: predictive		hours			30		30	Credit	
18			lab	ECTS			4		4		
19	2400-DS2RR	Reproducible Research	lab	hours				30	30	written	
- 9				ECTS				4	4	exam	
20	2400-DS2WWEF	0-DS2WWEF Elective course (economics or finance	discussi	hours				30	30	Credit	
Ľ			on in lab	ECTS				3	3	Credit	
21			lab	hours				30	30		
	2400		discussi	ECTS				3 60	3		
22	2400- DS2WWQM	OM Elective course (quantitative metho	on in lab	hours ECTS				60 6	60 6	Credit	
		Total of hours in the group of courses	5	hours	120	105	105	150	480		
		ECTS of credits in the group of courses		ECTS	18	18	16	16	68		

No	Course code	Course name	Course type		year				Total	
					I		I		Hours/ECTS	Form of credit
					1	2	3	4	Credits	creait
D	Soft skills course	<u>s</u>								
23	2400-DS1CA	Communication and Autopresentatio	discussior	hours	30				30	written
25				ECTS	2				2	exam
24	2400-DS2NEG	Negotiations	discussior	hours			30		30	written
24				ECTS			3		3	exam
	2400-DS2UB U	Understanding Business	lecture	hours				30	30	Credit
25				ECTS				3	3	
		Total of hours in the group of courses		hours	30	0	30	30	90	
		ECTS of credits in the group of courses		ECTS	2	0	3	3	8	
D	Master Thesis Se	minar								
				hours		30	30	30	90	
26	2400-SU2TS	Master Thesis Seminar	seminar	ECTS		3	3	3	9	Credit
			hours		0	0	0	0		
27		Preparation of the thesis for the diploma examination	own work	ECTS				8	8	
		Total of hours in the group of courses		hours	0	30	30	30	90	
		ECTS of credits in the group of courses		ECTS	0	3	3	11	17	
		Total of hours		hours	240	225	240	210	915	
		TOTAL of ECTS		ECTS	30	30	30	30	120	

Only for those students, who did not complete course during the first degree

Occupational Safety and Health (OSH)	godz.	4	ECTS	0,5
Intellectual Property Protection	godz.	6	ECTS	0,5