## Faculty of Economic Sciences, University of Warsaw

## Master's Programme Curriculum PART -TIME STUDIES

## Field of study: Data Science and Business Analytics

Academic year 2020/2021

## 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

Inte	llectual Property P	rotection		godz.	6	ECTS	0,5			13-10-2021
					year				Total	
No	Course code	Course name	Course	hours		<u> </u>		ı	Hours/ECT	Form of
			type	/ ECTS	1	2	3	4	S Credits	credit
Α	General Courses									
1	university offer	General elective course (OGUN)	general	hours		30	30		60	Credit
_			classes	ECTS		3	3		6	
		Total of hours in the group of courses			0	30 3	30 3	0	60 <i>6</i>	
В	Core courses	ECTS of credits in the group of courses			U	3	3	U	0	
2		Annied Missessesses	lastuus	hours	45				45	
2	2400-DS1AMI	Applied Microeconomics	lecture	ECTS	5				5	exam
3	2400-DS1AMA	Applied Macroeconomics	lecture	hours	45				45	exam
			lecture	ECTS	5	30			5	
4	2400-DS1AE	Advanced Econometrics		hours		30			60	exam
			lab	ECTS		6			6	
			lecture	hours			30		45	
5	2400-DS2AF	Applied Finance	lab	hours			15 5		5	exam
		Total of hours in the group of courses		ECIS	90	60	45	0	195	
		ECTS of credits in the group of courses			10	6	5	0	21	
С	Field -of study cou	rses								
6	2400-DS1R	R: intro / data cleaning and imputation R /	lab	hours	30				30	exam
		basics of visualisation		ECTS	3				3	
7	2400-DS1SQL	Python and SQL: intro / SQL platforms	lab	hours	30 4				30	Credit
			lecture	hours		30			-	
8	2400-DS1AL	Algorithms for Data Science	lab	hours		15			45	exam
				ECTS	20	6			6	
9	2400-DS1ST	Statistics and Exploratory Data Analysis	lab	hours	30 5				30 5	Credit
				hours	15				15	exam Credit
10	2400-DS1IDS	Introduction to Data Science	lecture	ECTS	3				3	
11	2400-DS1UL	Unsupervised Learning	lab	hours	30				30	
	2400 03101	Onsupervised Learning	100	ECTS	3				3	
12	2400-DS1WSMS	Webscraping and Social Media Scraping	lab	hours		15 3			15 3	Credit
				hours		30			30	
13	2400-DS1APR	Advanced Programming in R	lab	ECTS		5			5	exam
14	2400-DS1ML1	Machine Learning 1: classification methods	lab	hours		30			30	Credit
		<b>0</b>		ECTS		4	20		4	
15	2400-DS2AV	Advanced Visualisation in R	lab	hours			30 6		30 6	Credit
16	2400 DS2TMS	Toyt Mining and Social Modic Mining	lah	hours			30		30	overs
10	2400-DS2TMS	Text Mining and Social Media Mining	lab	ECTS			4		4	exam
17	2400-DS2BDA	Big Data Analytics	lab	hours			15		15 2	Credit
				hours			30		30	
18	2400-DS2ML2	Machine Learning 2: predictive models, deep learning, neuron network	lab							Credit
		rearring, neuron network		ECTS			4		4	
19	2400-DS2RR	Reproducible Research	lab	hours				30	30	exam
			discussion	hours				30	30	
20	2400-DS2WWEF	Elective course (economics or finance)	in lab	ECTS				3	3	Credit Credit
21	2400-DS2WWIT	Elective course (IT tools)	lab	hours				30	30	
_1	2 TOO DOZ VV VVII	Elective course (if tools)		ECTS				3	3	
22	2400-DS2WWQM	S2WWQM Elective course (quantitative methods)	discussion in lab	hours				60	60	Credit
		Total of hours in the group of courses	iii idu	ECTS hours	135	120	105	6 150	6 510	
		ECTS of credits in the group of courses		ECTS	18	18	16	16	68	

D	Soft skills courses									
22	2400-DS1CA	Communication and Autopresentation	discussion	hours	30				30	credit
23				ECTS	2				2	
24	2400-DS2NEG Nea	Negotiations	discussion	hours			30		30	exam
2-7	2400-D32NEG	Negotiations	uiscussion	ECTS			3		3	exaiii
				hours				30	30	
25	2400-DS2UB	Understanding Business	lecture	ECTS				3	3	Credit
		Total of hours in the group of courses		hours	30	0	30	30	90	
		ECTS of credits in the group of courses		<b>ECTS</b>	2	0	3	3	8	
D	Master Thesis Seminar									
				hours		30	30	30	90	
26		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	255	240	240	210	945	
		TOTAL of ECTS		ECTS	30	30	30	30	120	