MASTER : Digital Economy and Data Analysis

Digital economy is among the quickly developing spheres in the world that is gaining a momentum to affect every sphere of economic and social activity. In this light, the Master Specialization in the field of Digital Economy and Data Analysis is the best option to adopt among the students who would like to learn these developments as well as the effects of digital transformation in the economy.

The course framework of the Master degree in Digital Economy and Data Analysis consists of a set of subjects that are at the center of transforming the economy towards a digital form and complex data analysis. It is created to provide its graduates with in-depth knowledge of the processes of the digital economy and big data analysis. This training implies basic courses in the field of the digital economy, deep statistics, machine learning, and data analysis, all organized in a logical framework in accordance with the demands of the national and global labor markets. The program is designed in such a way that it imparts top skills to the students within the digital sphere and big data analysis.

1. FIRST SEMESTER

	Course Title	Credits	Coefficient	Weekly Hours volume			Semester Hours (15 weeks)	Other	Teaching Mode		Evaluation Type	
				Lectures	Tutorials	Practical Work			In-person	Distance	Continuous Assessment	Exam
Fundamental Unit	Innovation Economics and Intellectual Property	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Project Management	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Advanced Microeconomics	4	2	1h30	1h30		45h00	45h00	X		40%	60%
	Electronic Banking	4	2	1h30	1h30		45h00	45h00	X		40%	60%
Methodological Unit	Time Series Analysis	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Communication and Administrative Editing	4	2	1h30	1h30		45h00	45h00	X	X	40%	60%
Exploratory Unit	Industrial and Commercial Property Law	2	2	1h30	1h30		45h00	5h00	X	X	40%	60%
Transversal Unit	Writing and Presenting Business Plans in English	1	1		1h30		22h30	2h30	X	X	40%	60%
FIRST SEMESTER TOTAL		30	15	10h30	12h00		337h30	345h30				

2. SECOND SEMESTER

	Course Title	Credits	Coefficien	Weekly Hours volume			Semester Hours (15 weeks)	Other	Teaching Mode		Evaluation Type	
				Lectures	Tutorials	Practical Work			In-person	Distance	Continuous Assessment	Exam
Fundamental Unit	Advanced Econometrics	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Blockchain Economics	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Advanced Macroeconomics	4	2	1h30	1h30		45h00	45h00	X		40%	60%
	Digital Marketing	4	2	1h30	1h30		45h00	45h00	X		40%	60%
Methodological Unit	Deep Learning Applications	5	2	1h30		1h30	45h00	67h30	X		40%	60%
	Master's Thesis Preparation Methodology	4	2	1h30	1h30		45h00	45h00	X	X	40%	60%
Exploratory Unit	Business Law	2	2	1h30	1h30		45h00	5h00	X	X	40%	60%
Transversal Unit	English for Research and Thesis Writing	1	1		1h30		22h30	2h30	X	X	40%	60%
SECOND SEMESTER TOTAL		**30**	**15**	**10h30**	**10h30**	**1h30**	**337h30**	**345h00**				

3. THIRD SEMESTER

	Course Title	Credits	Coefficien t	Weekly Hours volume			Semester Hours (15 weeks)	Other	Teaching Mode		Evaluation Type	
				Lectures	Tutorials	Practical Work			In-person	Distance	Continuous Assessment	Exam
Fundamental Unit	Big Data and Artificial Intelligence	6	3	1h30	1h30		45h00	90h00	X		40%	60%
	Business Process Reengineering	6	3	1h30	1h30		45h00	90h00	X		40%	60%
	Global Value Chains	6	3	1h30	1h30		45h00	90h00	X		40%	60%
Methodological Unit	Entrepreneurship 02	5	2	1h30	1h30		45h00	67h30	X		40%	60%
	Financial Technology (Fintech)	4	2	1h30	1h30		45h00	45h00	X		40%	60%
Exploratory Unit	Cybersecurity	2	2	1h30		1h30	45h00	5h00	X		40%	60%
Transversal Unit	Free Statistical Software	1	1	1h30		1h30	22h30	2h30	X		40%	60%
THIRD SEMESTER TOTAL		**30**	**16**	**10h30**	**07h30**	**03h00**	**292h30**	**390h00**				