PLAN OF FULL-TIME STUDIES

Degree course: COMPUTER SCIENCE AND ECONOMETRICS - second-cycle course

Course delivery method: full-time course

Recruitment in the academic year 2024/2025

Duration: 4 semesters

University of Zielona Góra

Faculty of Mathematics, Computer Science and Econometrics

No.		COURSE NAME	Hours per semester	ECTS	Form of assignment	SEMESTER 1								SEMESTER 2								SEMESTER 3								SEMESTER 4							
						Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS
						L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra		
1	Compulsory subjects module (general, basic and course)	English 1	30	2	O			30				O	2																								
2		English 2	30	2	E											30				E	2																
3		Statystical Analysis in Market Research	45	4	OO																	15		30				OO	4								
4		Multivariate Analysis	60	7	EO	30	30					EO	7																								
5		Dynamic and Financial Econometrics	60	7	EO	30		30				EO	7																								
6		Mathematical Economics	60	5	EO									30	30					EO	5																
7		Software Engineering	45	7	EO	15		30				EO	7																								
8		Actuarial Methods	60	5	EO									30	30					EO	5																
9		Representative Methods	45	4	OO																									30		15				OO	4
10		Forecasting and Simulation	45	7	EO	15		30				EO	7																								
11		Management Information Systems	60	5	EO																	30			30			EO	5								
12		Computer Networks	60	5	EO																									30		30				EO	5
13		Diploma Seminar 1	30	3	O													30		O	3																
14		Diploma Seminar 2	60	6	O																					60		O	6								
15		Diploma Seminar 3	60	9	Z																													60		Z	9
1	Specialty - Business Analytics	Decision Analysis and Decision Theory	60	7	EOO									30	15		15			EOO	7																
2		Multimedia in Business	45	5	EO																	30			15			EO	5								
3		Specialist Seminar 1	30	2	O													30		O	2																
4		Specialist Seminar 2	30	2	O																					30		O	2								
5		Specialist Seminar 3	30	2	Z																													30		Z	2
6		ERP Class Systems	45	6	EO																	15			30			EO	6								
7		Machine Learning	45	5	OO									15		30				OO	5																
1	Specialty - Statistics and Econometrics	Decision Analysis and Decision Theory	60	7	EOO									30	15		15			EOO	7																
2		Econometrics	90	10	EOO																	30	30	30				EOO	10								
3		Experimental Design	45	6	EO																									30		15				EO	6
4		Specialist Seminar 1	30	2	O													30		O	2																
5		Specialist Seminar 2	30	2	O																					30		O	2								
6		Specialist Seminar 3	30	2	Z																													30		Z	2
1	Specialty - Information Systems	Data Warehouse	45	5	OO									15		30				OO	5																
2		Software Engineering 2	45	5	EO																	15			30			EO	5								
3		Algorithmical Methods	45	6	EO																	15		30				EO	6								
4		Specialist Seminar 1	30	2	O													30		O	2																
5		Specialist Seminar 2	30	2	O																					30		O	2								
6		Specialist Seminar 3	30	2	Z																													30		Z	2
7		Topics in Discrete Mathematics	60	7	EO									30	30					EO	7																

	Hours	ECTS	Form	Sem. 1 hours	Sem. 1 form	Sem. 1 ECTS	Sem. 2 hours	Sem. 2 form	Sem. 2 ECTS	Sem. 3 hours	Sem. 3 form	Sem. 3 ECTS	Sem. 4 hours	Sem. 4 form	Sem. 4 ECTS
Compulsory subjects module	750	78	9 E	240	4 E	30	180	3 E	15	165	1 E	15	165	1 E	18
Specialty - Business Analytics	285	29	3 E	0	0 E	0	135	1 E	14	120	2 E	13	30	0 E	2
Specialty - Statistics and Econometrics	285	29	3 E	0	0 E	0	90	1 E	9	120	1 E	12	75	1 E	8
Specialty - Information Systems	285	29	3 E	0	0 E	0	135	1 E	14	120	2 E	13	30	0 E	2
Practices	0	0													
Total (specialty - Business Analytics)	**1035**	**107**	**12 E**	**240**	**4 E**	**30**	**315**	**4 E**	**29**	**285**	**3 E**	**28**	**195**	**1 E**	**20**
Total (Specialty - Statistics and Econometrics)	**1035**	**107**	**12 E**	**240**	**4 E**	**30**	**270**	**4 E**	**24**	**285**	**2 E**	**27**	**240**	**2 E**	**26**
Total (Specialty - Information Systems)	**1035**	**107**	**12 E**	**240**	**4 E**	**30**	**315**	**4 E**	**29**	**285**	**3 E**	**28**	**195**	**1 E**	**20**

Total without practices	**1035**	**107**

Additional subjects offered for degree course: COMPUTER SCIENCE AND ECONOMETRICS

No.		COURSE NAME	SEMESTER 1								SEMESTER 2								SEMESTER 3								SEMESTER 4							
			Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS	Form of classes						Form of assignment	ECTS
			L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra			L	C	Lab	P	S	Pra		
1	ADDITIONAL	Decision Analysis and Decision Theory									30	15		15			EOO	7									30	15		15			EOO	7
2		Financial Market Analysis									15	30					OO	4									15	30					OO	4
3		Web Applications									30		30				OO	4									30		30				OO	4
4		Econometrics																	30	30	30				EOO	10								
5		Data Warehouse									15		30				OO	5									15		30				OO	5
6		Software Engineering 2																	15			30			EO	5								
7		Computer Image Processing																	15			30			OO	4								
8		LaTeX											30				O	2																
9		Algorithmical Methods																	15		30				EO	6								
10		Software Modelling in Economic Systems									15			30			OO	4									15			30			OO	4
11		Multimedia in Business																	30			15			EO	5								
12		Tools and Component Technologies in the Designing Systems of E-business																	15			30			OO	4								
13		Experimental Design																									30		15				EO	6
14		Quantum Computing																									30		30				OO	5
15		Investment Market																	15			30			OO	4								
16		Specialist Seminar 1													30		O	2																
17		Specialist Seminar 2																					30		O	2								
18		Specialist Seminar 3																													30		Z	2
19		ERP Class Systems																	15			30			EO	6								
20		Technological Foundations of E-Economy																	15			30			OO	4								
21		Internet Technologies in Management									15			30			OO	4									15			30			OO	4
22		Machine Learning									15		30				OO	5									15		30				OO	5
23		Topics in Discrete Mathematics									30	30					EO	7									30	30					EO	7
24		Advanced Programming Techniques for Enterprise Distributed Systems																	15		15	15			OOO	4								
1	HUMANITIES	English for Specific Purposes																		30					O	3		30					O	3
2		Practical Stylistics										30					O	3										30					O	3
1	SOCIAL	Pedagogy 2										30					O	2										30					O	2
2		Psychology 2										30					O	2										30					O	2

Recommended:

Resolution No. 16 of the Mathematics Discipline Council of 08 March 2023

Approved by Faculty Education Council at the Faculty of Mathematics, Computer Science and Econometrics:

Resolution no 1 of 09 March 2023