

**STUDY PROGRAMME
THE PROGRAMME APPLIES FROM THE 2026/2027 ACADEMIC YEAR – WINTER SEMESTER**

I. GENERAL CHARACTERISTICS OF THE STUDY PROGRAMME:

1. FACULTY: Faculty of Management and Economics
2. FIELD OF STUDY: Economic Analytics
3. LEVEL OF STUDIES: master's degree studies
4. LEARNING PROFILE: general academic profile
5. LEVEL OF QUALIFICATION ACCORDING TO THE EUROPEAN AND NATIONAL QUALIFICATIONS FRAMEWORKS: full qualification at the 7th level of the Polish Qualifications Framework
6. PROFESSIONAL TITLE OBTAINED BY THE GRADUATE: magister

II. SUMMARY OF PROPOSED CHANGES TO THE PROGRAMME:

Full-time studies, Polish-language track:

1. Reduction of the number of consultation hours assigned to individual courses.
2. Addition of learning outcome K7_K01 to the course Alternative Investments.
3. Change of the language of instruction for the course Strategic Project and Change Management to English, resulting in the new course name Strategic Project and Change Management, and a reduction in the number of ECTS credits from 4 to 3.
4. Change of the course name Business Decisions in the Financial Market to Financial Strategies of Enterprises, and a reduction in the number of ECTS credits from 5 to 4. Addition of learning outcome K7_K02.
5. Reduction in the number of ECTS credits for Time Series Modelling from 5 to 4.
6. Reduction in the number of ECTS credits for Economic Risk Analysis from 4 to 3. Addition of learning outcome K7_U05.
7. Introduction of the course Psychology (30 lectures + 30 classes), 4 ECTS credits.
8. Addition of learning outcome K7_K01 to the course Insurance Statistics.
9. Introduction of the course Sustainable Finance (30 lectures + 30 classes), 3 ECTS credits.
10. Change of the course name Theories of Economic Growth and Convergence to Economic Growth and Convergence Analysis, increase in the number of lecture hours to 30, and increase in the number of ECTS credits to 4. Addition of learning outcome K7_K03.
11. Introduction of the course Data Analysis with SQL (15 lectures + 30 classes), 3 ECTS credits.
12. Transfer of the course Data Analysis in Python from the group of specialisation courses (semester 3) to the group of compulsory courses, and change of the language of instruction to English, resulting in the course name Data Analysis in Python. Addition of learning outcome K7_K01.
13. Transfer of the course Forecasting and Simulations from the group of compulsory courses to the group of specialisation courses (Data Analyst) in semester 3, and increase in the number of ECTS credits to 6.
14. Removal of the course Economic Integration of Europe.
15. Transfer of Faculty Elective Courses I to semester 3.
16. Increase in the number of ECTS credits for the course Cost Accounting to 4.
17. Transfer of the course Financial Econometrics (E) to the group of Faculty Elective Courses.
18. Creation of the block of courses Elective Humanities Courses (30 lectures, 2 ECTS credits) and transfer of the course History of World Economy Transformation after the End of the Cold War to this block.
19. Change of the language of instruction for the course Big Data to English.
20. Addition of 15 lecture hours to the course Machine Learning. Reduction in the number of ECTS credits to 3.
21. Increase in the number of lecture hours for the course Financial Liquidity Management to 30.
22. Increase in the number of lecture hours for the course Business Process Analysis to 30.
23. Change of the language of instruction for the course Strategic Planning to English, resulting in the change of the course name to Strategic Planning.
24. Increase in the number of hours for Seminar 2 to 40.
25. Removal of the course Corporate Social Responsibility.
26. Transfer of the course Philosophical Concepts of Contemporary Capitalism to the group of Elective Humanities Courses (semester 3).
27. Reduction in the number of ECTS credits for the diploma thesis to 16.

Additionally, for part-time studies:

1. The number of weekend sessions will be increased to 9. The number of teaching hours in part-time studies will amount to 9/15 of the teaching hours in full-time studies.

Full-time studies, English-language track:

1. Reduction of the number of consultation hours assigned to individual courses.
2. Addition of learning outcome K7_K01 to the course Alternative Investments.

3. Change in the number of ECTS credits for Strategic Project and Change Management from 4 to 3.
4. Change of the course name Business Decisions in the Financial Market to Financial Strategies of Enterprises, and a reduction in the number of ECTS credits from 5 to 4. Addition of learning outcome K7_K02.
5. Reduction in the number of ECTS credits for Time Series Modelling from 5 to 4.
6. Reduction in the number of ECTS credits for Economic Risk Analysis from 4 to 3. Addition of learning outcome K7_U05.
7. Introduction of the course Psychology (30 lectures + 30 classes), 3 ECTS credits.
8. Addition of learning outcome K7_K01 to the course Insurance Statistics.
9. Introduction of the course Sustainable Finance (30 lectures + 30 classes), 4 ECTS credits.
10. Change of the course name Theories of Economic Growth and Convergence to Economic Growth and Convergence Analysis. Addition of learning outcome K7_K03.
11. Introduction of the course Data Analysis with SQL (15 lectures + 30 laboratory classes), 3 ECTS credits.
12. Transfer of the course Data Analysis in Python from the group of specialisation courses (semester 3) to the group of compulsory courses. Addition of learning outcome K7_K01.
13. Transfer of the course Forecasting and Simulations from the group of compulsory courses to the group of specialisation courses (Data Analyst) in semester 3.
14. Removal of the course Economic Integration of Europe.
15. Transfer of Faculty Elective Courses I to semester 3.
16. Transfer of the course Financial Econometrics (E) to the group of Faculty Elective Courses.
17. Transfer of the course History of World Economy Transformation after the End of the Cold War to the block of elective courses Elective Humanities Courses.
18. Addition of 15 lecture hours to the course Machine Learning. Reduction in the number of ECTS credits to 3.
19. Increase in the number of hours for Diploma Seminar 2 to 40.
20. Removal of the course Corporate Social Responsibility.
21. Reduction in the number of ECTS credits for the diploma thesis to 16.
22. Increase in the number of lecture hours for the course Economic History of Globalization to 30.
23. Increase in the number of lecture hours for the course Global Trends to 30, and change of laboratory classes to classes.
24. Increase in the number of lecture hours for the course Network Economies and Innovation Policies.
25. Transfer of the course Philosophical Concepts of Contemporary Capitalism to the block of elective courses Elective Humanities Courses.
26. Introduction of the course Ethics and Artificial Intelligence in semester 4 (30 lectures + 15 classes; 3 ECTS credits).

III. JUSTIFICATION FOR THE INTRODUCTION OF CHANGES:

1. Adaptation of the study programmes to the guidelines of the Polish Accreditation Committee.
2. Adaptation of the study programmes to Gdańsk Tech Rector's Ordinance No. 53/2025 of 1 September 2025.

IV. FIELDS OF SCIENCE AND SCIENTIFIC DISCIPLINES TO WHICH THE FIELD OF STUDY IS ASSIGNED:

(For a field of study assigned to more than one discipline, the percentage share of ECTS credits in the total number of ECTS credits should be specified for each discipline, indicating the leading discipline.)

100.0 % - **Field of Social Sciences**

89.0 % - Economics and Finance

11.0 % - Management and Quality Sciences

V. LEARNING OBJECTIVES:

Identify and explain complex relationships between the factors shaping economic phenomena, using contemporary theoretical knowledge consistent with the main development trends in the scientific disciplines to which the field of study is assigned.

Take into account, in their analytical activities, the economic, legal and ethical context in an in-depth manner, being aware of their responsibility for the consequences of their decisions, and critically referring to their knowledge and the information obtained.

Create innovative solutions to complex and unstructured problems, taking into account the variability of the environment, using creative and evidence-based thinking in an in-depth manner, synthesising information from multiple sources and critically approaching its interpretation.

Formulate research problems and select appropriate analytical methods to solve them, using advanced IT tools, and critically evaluate the results obtained.

Communicate effectively in an international scientific environment as well as with other diverse groups of recipients, explaining their ideas and reflections in an in-depth manner.

Develop teamwork in order to achieve the intended goals, shaping their potential to be entrepreneurial and to perform leadership roles in selected positions and communities, increasing opportunities for personal development as well as the development of their co-workers.

Fulfil social obligations by acting for the benefit of the social environment and the public interest in accordance with the principles of social responsibility, demonstrating respect for the principles of professional ethics.

VI. GRADUATE PROFILE:

Economic Analytics graduates gain extensive competence in the ways of using data and information to answer complex business questions arising in various industry contexts. They use contemporary methods and tools to improve their knowledge and analytical skills as well as business predispositions. They know the methods of

data gathering, quantitative and qualitative data analysis and the interpretation of the results of analyzes taking into account the broad context of the studied phenomena. The acquired competencies of transforming analysis results into business decisions are of key importance in a rapidly changing, globalized economy. Graduates are well prepared to perform various roles in modern organizations. They analyze problems inspired by ideas and discoveries of contemporary research related to the field of study. They develop unique solutions to real-world problems in a critical and creative way. They are well prepared for teamwork as a leader and team member, increasing opportunities for personal development as well as for their colleagues. They are well prepared to live, study and work in a digital society in order to meet the challenges of the future, i.e. permanent technological changes and their effects on the economy.

In the Polish language curriculum, students have the opportunity to choose a specialty, depending on their interests. The Business Analyst specialization is focused on the problems of functioning of broadly understood business. Graduates of this specialization are prepared to analyze and evaluate business processes in the context of strategic plans of the organization and solve its problems with financing operations. The Data Analyst specialization is focused on macroeconomic analyzes using mass data. Graduates of this specialization are prepared to analyze and evaluate multidimensional economic phenomena using a diverse set of advanced methods and techniques.

In the English language curriculum, students have the opportunity to choose a specialty, depending on their interests. The Global studies specialization is focused on the macroeconomic context of the application of analytical methods. Graduates of this specialization learn about the issues of socio-economic development and its conditions resulting from the globalization of the world economy, which leads to a new innovation policy. The Data Analyst specialization is focused on macroeconomic analyzes using mass data. Graduates of this specialization are prepared to analyze and evaluate multidimensional economic phenomena using a diverse set of advanced methods and techniques.

VII. OPIS EFEKTÓW UCZENIA SIĘ:

Symbol	KNOWLEDGE	Reference to the characteristics of the Polish Qualifications Framework levels
	A person holding a full qualification at level seven of the Polish Qualifications Framework:	
K7_W01	demonstrates in-depth knowledge and understanding of economic problems, and selects methods for resolving them while taking into account the complex interrelationships among the phenomena being analyzed.	P7S_WG
K7_W02	understands the significance and interrelationships of key components describing economic processes, drawing on in-depth knowledge aligned with major developmental trends in scientific disciplines related to the field of economic analytics.	P7S_WG
K7_W03	demonstrates in-depth knowledge of the applications of analytical methods and techniques for formulating and solving socio-economic problems.	P7S_WK
K7_W04	has an in-depth understanding of analytical methods, reliable data sources, and copyright principles in the context of solving contemporary socio-economic problems.	P7S_WK
K7_W05	has in-depth knowledge of integrating economic, legal, and ethical aspects in analyses and their application in entrepreneurial activities.	P7S_WK
K7_W06	knows and understands the principles of evaluating the reliability of utilized data, applying in-depth specialized knowledge in the field of economic analysis.	P7S_WG
K7_W101	is able to make an in-depth identification of key objects and phenomena related to the field of study, as well as theories that describe them and applicable analytical and design methods	P7S_WG
K7_W81	has knowledge of complex grammatical structures and diverse lexical resources needed to communicate in foreign language in terms of general and specialist language related to field of study	P7U_W

Symbol	SKILLS	Reference to the characteristics of the Polish Qualifications Framework levels
	A person holding a full qualification at level seven of the Polish Qualifications Framework:	
K7_U01	creates innovative solutions for complex and unstructured processes, considering unpredictable environmental conditions through the synthesis of information from various sources.	P7S_UW
K7_U02	presents logical and well-founded arguments regarding obtained results through the analysis and synthesis of information in various business contexts, critically evaluating their interpretation.	P7S_UW
K7_U03	formulates research hypotheses and select appropriate methods for their verification using advanced it tools.	P7S_UW
K7_U04	is able to prepare and convincingly present the results of specialized analyses, providing in-depth interpretation during debates and meetings with various audiences.	P7S_UK
K7_U05	collaborates with others in team projects, effectively fulfilling both leadership and team member roles to achieve established goals.	P7S_UO
K7_U06	develops his/her potential by planning and implementing the process of lifelong learning and supporting others in this area.	P7S_UU
K7_U101	is able to formulate complex research problems and adopts appropriate methods, obtaining innovative solutions, cooperating with other people, both as a leader and a team member	P7S_UW
		P7S_UO
K7_U82	is able to proficiently obtain and process information related to field of study and academic environment in foreign language at B2+ level of the Common European Framework of Reference for Languages (CEFR)	P7U_U
		P7S_UK

Symbol	SOCIAL COMPETENCES	
	A person holding a full qualification at level seven of the Polish Qualifications Framework:	
K7_K01	is ready to critically evaluate his/her knowledge in economic analytics and seek expert opinions when facing difficulties in solving a problem independently.	P7S_KK
K7_K02	acts entrepreneurially, making competent and ethical decisions that consider the public interest as well as economic, social, and environmental values.	P7S_KO
K7_K03	responsibly fulfills professional roles, demonstrating the ability to identify ethical dilemmas and recognize and evaluate alternative courses of action.	P7S_KR
K7_K101	acknowledges the importance of knowledge related to the field of study in solving cognitive and practical problems, critically assessing the information obtained	P7S_KK
K7_K82	is equipped to participate actively in lectures, seminars and laboratory classes conducted in foreign language	P7U_K

1. CONCLUSIONS FROM THE ANALYSIS OF THE COMPLIANCE OF LEARNING OUTCOMES WITH LABOUR MARKET NEEDS AND CONCLUSIONS FROM THE ANALYSIS OF THE RESULTS OF MONITORING THE CAREERS OF STUDENTS AND GRADUATES:

The master's degree studies programme in Business Analytics has been offered in Poland for a relatively short time compared with other economics and finance programmes; therefore, broad data on graduate career paths are not yet available. According to data from the Polish Graduate Tracking System from 2020, only four universities offer such studies: Gdańsk University of Technology, Wrocław University of Economics and Business, Krakow University of Economics, and the University of Economics in Katowice. Among these universities, the part-time studies offered at the Faculty of Management and Economics have the best indicators, while the full-time studies are ranked fourth. The average time needed by graduates to find full-time employment was 0.08 months for part-time studies and 2.12 months for full-time studies. The relative unemployment rate was 0.0% for part-time studies and 2.78% for full-time studies, respectively. The relative earnings indicator in the first year after graduation, compared with average earnings in the graduate's place of residence, was 1.13 for part-time studies and 0.77 for full-time studies. The better values of all indicators for part-time studies result from the fact that the vast majority of part-time students work during their studies. The competences acquired in the Business Analytics programme provide broad employment opportunities, practically in any organisation with analytical needs. The number of job offers for the keywords Data Analyst and Business Analyst was checked on LinkedIn at the beginning of May 2023. There were 436 job offers in Poland for Data Analyst and 538 for Business Analyst. It should be emphasised that these are not mass studies. Approximately 60 graduates complete the programme at the Faculty of Management and Economics each year, while approximately 75 graduates complete similar programmes at the other universities listed above. Therefore, finding a well-paid job consistent with the completed field of study is relatively easy.

2. METHODS OF VERIFICATION AND ASSESSMENT OF LEARNING OUTCOMES ACHIEVED BY THE STUDENT THROUGHOUT THE ENTIRE STUDY CYCLE:

Throughout the entire study cycle, the following catalogue of methods for verifying and assessing learning outcomes is applied for selection

In terms of knowledge:

SW1 Assessment of factual knowledge;

SW2 Assessment of knowledge included in a presentation;

SW3 Assessment of knowledge included in a written and project work.

In terms of skills:

SU1 Assessment of task performance;

SU2 Assessment of the ability to analyse information;

SU3 Assessment of the ability to use knowledge acquired within the course;

SU4 Assessment of the ability to use methods and tools;

SU5 Assessment of the ability to present the results of task performance.

In terms of social competences:

SK1 Assessment of the ability to work in a group;

SK2 Assessment of work progress;

SK3 Assessment of the ability to organise work;

SK4 Assessment of communication skills, including linguistic correctness;

SK5 Assessment of the ability to solve problems occurring in practice.

VIII. STUDY PLAN:

1. MODE OF STUDY: Full-time studies

Economic Analytics (studies in English) (Field of study) – DATA ANALYST (Specialisation)

2. NUMBER OF SEMESTERS: 4

3. NUMBER OF ECTS CREDITS: 120

4. COURSE MODULES (courses or groups of courses), with the intended learning outcomes and the number of ECTS credits assigned to each module:

A. GROUP OF COMPULSORY COURSES WITHIN THE FIELD OF STUDY

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS								NUMBER OF ECTS POINTS	
						H						C	SS		TOTAL
						L	T	L	P	L	T				
1	PG_00070500	ALTERNATIVE INVESTMENTS	K7_W04 K7_K01 K7_U02	1	Z	15	0	30	0	0	45	3	52	100	4
2	PG_00070505	DATA ANALYSIS IN R	K7_W03 K7_K01 K7_U05	1	Z	15	0	45	0	0	60	3	62	125	5
3	PG_00070506	ECONOMIC RISK ANALYSIS	K7_W02 K7_K01 K7_U05	1	E	15	0	30	0	0	45	3	27	75	3
4	PG_00070502	FINANCIAL STRATEGIES OF ENTERPRISES	K7_W02 K7_K02 K7_U02	1	E	30	30	0	0	0	60	3	37	100	4
5	PG_00070503	MICROECONOMETRICS	K7_W02 K7_U03	1	Z	15	0	30	0	0	45	3	27	75	3
6	PG_00071070	PSYCHOLOGY	K7_W05 K7_K03 K7_U06	1	Z	15	30	0	0	0	45	3	27	75	3
7	PG_00071067	STRATEGIC PROJECT AND CHANGE MANAGEMENT	K7_W05 K7_K02 K7_U05	1	Z	15	0	30	0	0	45	3	52	100	4
8	PG_00070504	TIME SERIES MODELLING	K7_W04 K7_U03	1	E	30	0	30	0	0	60	3	37	100	4
9	PG_00070513	DATA ANALYSIS IN PYTHON	K7_W03 K7_K01 K7_U03	2	Z	0	0	45	0	0	45	3	52	100	4
10	PG_00070984	DATA ANALYSIS WITH SQL	K7_W04 K7_K01 K7_U04	2	Z	15	0	30	0	0	45	3	27	75	3
11	PG_00071072	ECONOMIC GROWTH AND CONVERGENCE ANALYSIS	K7_W01 K7_K03 K7_U04	2	E	15	0	30	0	0	45	3	27	75	3
12	PG_00070508	INSURANCE STATISTICS	K7_W06 K7_K01 K7_U02	2	Z	15	0	30	0	0	45	3	27	75	3
13	PG_00070514	MANAGERIAL ACCOUNTING	K7_W05 K7_K02 K7_U01	2	E	30	30	0	0	0	60	3	37	100	4
14	PG_00070512	SPATIAL ECONOMETRICS	K7_W02 K7_K01 K7_U05	2	E	15	0	30	0	0	45	3	52	100	4
15	PG_00071073	SUSTAINABLE FINANCE	K7_W01 K7_K02 K7_U02	2	Z	30	30	0	0	0	60	3	37	100	4
16	PG_M0002459	Team research project I	K7_K101 K7_W101 K7_U101	2	Z						40	3	32	75	3
17	PG_00071075	COST ACCOUNTING	K7_W05 K7_K02 K7_U01	3	E	15	30	0	0	0	45	3	27	75	3
18	PG_M0002460	Team research project II	K7_K101 K7_W101 K7_U101	3	Z						40	3	32	75	3
19	PG_00071077	ETHICS AND ARTIFICIAL INTELLIGENCE	K7_W01 K7_K03 K7_U06	4	Z	30	15	0	0	0	45	3	27	75	3
20	PG_00071078	NEGOTIATION AND INTERNAL COMMUNICATION	K7_W05 K7_K02 K7_U05	4	Z	0	30	0	0	0	30	3	17	50	2
TOTAL											950	60	715	1725	69

*code assigned by the "Study Programmes" system

H – number of hours in the study plan; C – number of consultation hours; SS – number of self-study hours

L – lecture; T – classes; L – laboratory; P – project; S – seminar

B. GROUP OF SPECIALISATION COURSES

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS								NUMBER OF ECTS POINTS	
						H						C	SS		TOTAL
						L	T	L	P	L	T				
1	PG_00070523	BIG DATA	K7_W06 K7_K03 K7_U01	3	Z	15	0	45	0	0	60	3	37	100	4
2	PG_00071074	FORECASTING AND SIMULATIONS	K7_W03 K7_K01 K7_U04	3	E	30	0	45	0	0	75	3	47	125	5
3	PG_00070524	MACHINE LEARNING	K7_W03 K7_K01 K7_U01	3	Z	15	0	30	0	0	45	3	27	75	3
4	PG_00070521	MULTIVARIATE DATA ANALYSIS	K7_W06 K7_K03 K7_U01	3	E	15	0	30	0	0	45	3	27	75	3
TOTAL						75	0	150	0	0	225	12	138	375	15

*code assigned by the "Study Programmes" system

H – number of hours in the study plan; C – number of consultation hours; SS – number of self-study hours

L – lecture; T – classes; L – laboratory; P – project; S – seminar

C. GROUP OF ELECTIVE COURSES

(number of ECTS credits amounting to no less than 30% of the total number of ECTS credits)

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS								NUMBER OF ECTS POINTS	
						H						C	SS		TOTAL
						L	T	L	P	L	T				
1	PG_M0003037	FOREIGN LANGUAGE 1	K7_K82 K7_U82 K7_W81	2	Z	0	30	0	0	0	30	3	17	50	2
2	PG_00070516	DIPLOMA SEMINAR 1	K7_K03 K7_U06	3	Z	0	0	0	0	30	30	3	17	50	2
3	PG_M0003112	ELECTIVE HUMANITIES COURSES		3	Z	30	0	0	0	0	30	3	17	50	2
4	PG_M0003040	FACULTY ELECTIVE COURSES I		3	Z						60	3	12	75	3
5	PG_M0003038	FOREIGN LANGUAGE 2	K7_K82 K7_U82 K7_W81	3	Z	0	30	0	0	0	30	3	17	50	2
6	PG_00070531	DIPLOMA SEMINAR 2	K7_K03 K7_U06	4	Z	0	0	0	0	40	40	3	32	75	3
7	PG_00070532	MASTER THESIS	K7_W01 K7_K03	4	Z	0	0	0	0	0	0	3	397	400	16

5. SUMMARY OF THE NUMBER OF HOURS AND ECTS CREDITS:

TOTAL NUMBER OF HOURS IN THE PROGRAMME	TOTAL NUMBER OF ECTS CREDITS
3000	120
NUMBER OF CONTACT HOURS INVOLVING THE DIRECT PARTICIPATION OF ACADEMIC TEACHERS OR OTHER PERSONS CONDUCTING CLASSES:	
COVERED BY THE STUDY PLAN	1495
EXAMINATIONS DURING STUDIES	10
DIPLOMA EXAMINATION	0,5
TOTAL	1505,5
PERCENTAGE SHARE OF CONTACT HOURS	50,18%

6. TOTAL NUMBER OF ECTS CREDITS that the student must obtain WITHIN COURSES CONDUCTED WITH THE DIRECT PARTICIPATION OF ACADEMIC TEACHERS OR OTHER PERSONS CONDUCTING CLASSES:
64

7. NUMBER OF ECTS CREDITS that the student must obtain WITHIN FOREIGN LANGUAGE COURSES:
4

8. TOTAL NUMBER OF HOURS AND ECTS CREDITS that the student must obtain WITHIN THE MODULE/COURSE 'TEAM PROJECT'
6

Economic Analytics (studies in English) (Field of study) – GLOBAL STUDIES (Specialisation)

2. NUMBER OF SEMESTERS: 4

3. NUMBER OF ECTS CREDITS: 120

4. COURSE MODULES (courses or groups of courses), with the intended learning outcomes and the number of ECTS credits assigned to each module:

A. GROUP OF COMPULSORY COURSES WITHIN THE FIELD OF STUDY

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS								NUMBER OF ECTS POINTS	
						H						C	SS		TOTAL
						L	T	L	P	L	T				
1	PG_00070500	ALTERNATIVE INVESTMENTS	K7_W04 K7_K01 K7_U02	1	Z	15	0	30	0	0	45	3	52	100	4
2	PG_00070505	DATA ANALYSIS IN R	K7_W03 K7_K01 K7_U05	1	Z	15	0	45	0	0	60	3	62	125	5
3	PG_00070506	ECONOMIC RISK ANALYSIS	K7_W02 K7_K01 K7_U05	1	E	15	0	30	0	0	45	3	27	75	3
4	PG_00070502	FINANCIAL STRATEGIES OF ENTERPRISES	K7_W02 K7_K02 K7_U02	1	E	30	30	0	0	0	60	3	37	100	4
5	PG_00070503	MICROECONOMETRICS	K7_W02 K7_U03	1	Z	15	0	30	0	0	45	3	27	75	3
6	PG_00071070	PSYCHOLOGY	K7_W05 K7_K03 K7_U06	1	Z	15	30	0	0	0	45	3	27	75	3
7	PG_00071067	STRATEGIC PROJECT AND CHANGE MANAGEMENT	K7_W05 K7_K02 K7_U05	1	Z	15	0	30	0	0	45	3	52	100	4
8	PG_00070504	TIME SERIES MODELLING	K7_W04 K7_U03	1	E	30	0	30	0	0	60	3	37	100	4
9	PG_00070513	DATA ANALYSIS IN PYTHON	K7_W03 K7_K01 K7_U03	2	Z	0	0	45	0	0	45	3	52	100	4
10	PG_00070984	DATA ANALYSIS WITH SQL	K7_W04 K7_K01 K7_U04	2	Z	15	0	30	0	0	45	3	27	75	3
11	PG_00071072	ECONOMIC GROWTH AND CONVERGENCE ANALYSIS	K7_W01 K7_K03 K7_U04	2	E	15	0	30	0	0	45	3	27	75	3
12	PG_00070508	INSURANCE STATISTICS	K7_W06 K7_K01 K7_U02	2	Z	15	0	30	0	0	45	3	27	75	3
13	PG_00070514	MANAGERIAL ACCOUNTING	K7_W05 K7_K02 K7_U01	2	E	30	30	0	0	0	60	3	37	100	4
14	PG_00070512	SPATIAL ECONOMETRICS	K7_W02 K7_K01 K7_U05	2	E	15	0	30	0	0	45	3	52	100	4
15	PG_00071073	SUSTAINABLE FINANCE	K7_W01 K7_K02 K7_U02	2	Z	30	30	0	0	0	60	3	37	100	4
16	PG_M0002459	Team research project I	K7_K101 K7_W101 K7_U101	2	Z						40	3	32	75	3
17	PG_00071075	COST ACCOUNTING	K7_W05 K7_K02 K7_U01	3	E	15	30	0	0	0	45	3	27	75	3
18	PG_M0002460	Team research project II	K7_K101 K7_W101 K7_U101	3	Z						40	3	32	75	3
19	PG_00071077	ETHICS AND ARTIFICIAL INTELLIGENCE	K7_W01 K7_K03 K7_U06	4	Z	30	15	0	0	0	45	3	27	75	3
20	PG_00071078	NEGOTIATION AND INTERNAL COMMUNICATION	K7_W05 K7_K02 K7_U05	4	Z	0	30	0	0	0	30	3	17	50	2
TOTAL											950	60	715	1725	69

*code assigned by the "Study Programmes" system

H – number of hours in the study plan; C – number of consultation hours; SS – number of self-study hours

L – lecture; T – classes; L – laboratory; P – project; S – seminar

B. GROUP OF SPECIALISATION COURSES

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS									NUMBER OF ECTS POINTS
						H						C	SS	TOTAL	
						L	T	L	P	L	T				
1	PG_00070525	ECONOMIC HISTORY OF GLOBALIZATION	K7_W04 K7_K02 K7_U06	3	Z	30	30	0	0	0	60	3	37	100	4
2	PG_00070526	GLOBAL TRENDS	K7_W06 K7_K02 K7_U06	3	Z	30	30	0	0	0	60	3	37	100	4
3	PG_00070527	NETWORK ECONOMIES AND INNOVATION POLICIES	K7_W06 K7_K02 K7_U04	3	E	30	30	0	0	0	60	3	37	100	4
4	PG_00071076	SOCIO-ECONOMIC DEVELOPMENT	K7_W04 K7_K03 K7_U04	3	E	30	15	0	0	0	45	3	27	75	3
TOTAL						120	105	0	0	0	225	12	138	375	15

*code assigned by the "Study Programmes" system

H – number of hours in the study plan; C – number of consultation hours; SS – number of self-study hours

L – lecture; T – classes; L – laboratory; P – project; S – seminar

C. GROUP OF ELECTIVE COURSES

(number of ECTS credits amounting to no less than 30% of the total number of ECTS credits)

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS									NUMBER OF ECTS POINTS
						H						C	SS	TOTAL	
						L	T	L	P	L	T				
1	PG_M0003037	FOREIGN LANGUAGE 1	K7_K82 K7_U82 K7_W81	2	Z	0	30	0	0	0	30	3	17	50	2
2	PG_00070516	DIPLOMA SEMINAR 1	K7_K03 K7_U06	3	Z	0	0	0	0	30	30	3	17	50	2
3	PG_M0003112	ELECTIVE HUMANITIES COURSES		3	Z	30	0	0	0	0	30	3	17	50	2
4	PG_M0003040	FACULTY ELECTIVE COURSES I		3	Z						60	3	12	75	3
5	PG_M0003038	FOREIGN LANGUAGE 2	K7_K82 K7_U82 K7_W81	3	Z	0	30	0	0	0	30	3	17	50	2
6	PG_00070531	DIPLOMA SEMINAR 2	K7_K03 K7_U06	4	Z	0	0	0	0	40	40	3	32	75	3
7	PG_00070532	MASTER THESIS	K7_W01 K7_K03 K7_U03	4	Z	0	0	0	0	0	0	3	397	400	16
8	PG_M0003041	FACULTY ELECTIVE COURSES II		4	E						60	3	12	75	3
9	PG_M0002423	Interdisciplinary Elective Course		4	Z						40	3	32	75	3
TOTAL						30	60	0	0	70	320	27	553	900	36

*code assigned by the "Study Programmes" system

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L – lecture; T – classes; L – laboratory; P – project; S – seminar

D. GROUP OF COURSES IN THE FIELD OF HUMANITIES OR SOCIAL SCIENCES

(number of ECTS credits amounting to no less than 5 ECTS credits, including 'Humanities and Social Sciences Course' amounting to 2 ECTS credits – for full-time second-cycle studies)

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS									NUMBER OF ECTS POINTS
						H						C	SS	TOTAL	
						L	T	L	P	L	T				
1	PG_M0003112	ELECTIVE HUMANITIES COURSES		3	Z	30	0	0	0	0	30	3	17	50	2
2	PG_00071077	ETHICS AND ARTIFICIAL INTELLIGENCE	K7_W01 K7_K03 K7_U06	4	Z	30	15	0	0	0	45	3	27	75	3
TOTAL						60	15	0	0	0	75	6	44	125	5

*code assigned by the "Study Programmes" system

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L – lecture; T – classes; L – laboratory; P – project; S – seminar

E. GROUP OF COURSES RELATED TO THE SCIENTIFIC ACTIVITY CONDUCTED IN THE DISCIPLINE OR DISCIPLINES TO WHICH THE FIELD OF STUDY IS ASSIGNED – GENERAL ACADEMIC PROFILE:

(number of ECTS credits amounting to more than 50% of the total number of ECTS credits)

No.	MODULE/COURSE CODE	MODULE/COURSE NAME	LEARNING OUTCOMES	SEMESTER	FORM OF ASSESSMENT	NUMBER OF HOURS									NUMBER OF ECTS POINTS
						H						C	SS	TOTAL	
						L	T	L	P	L	T				
1	PG_00070500	ALTERNATIVE INVESTMENTS	K7_W04 K7_K01 K7_U02	1	Z	15	0	30	0	0	45	3	52	100	4
2	PG_00070505	DATA ANALYSIS IN R	K7_W03 K7_K01 K7_U05	1	Z	15	0	45	0	0	60	3	62	125	5
3	PG_00070506	ECONOMIC RISK ANALYSIS	K7_W02 K7_K01 K7_U05	1	E	15	0	30	0	0	45	3	27	75	3
4	PG_00070502	FINANCIAL STRATEGIES OF ENTERPRISES	K7_W02 K7_K02 K7_U02	1	E	30	30	0	0	0	60	3	37	100	4
5	PG_00070503	MICROECONOMETRICS	K7_W02 K7_U03	1	Z	15	0	30	0	0	45	3	27	75	3
6	PG_00071067	STRATEGIC PROJECT AND CHANGE MANAGEMENT	K7_W05 K7_K02 K7_U05	1	Z	15	0	30	0	0	45	3	52	100	4
7	PG_00070504	TIME SERIES MODELLING	K7_W04 K7_U03	1	E	30	0	30	0	0	60	3	37	100	4
8	PG_00070513	DATA ANALYSIS IN PYTHON	K7_W03 K7_K01 K7_U03	2	Z	0	0	45	0	0	45	3	52	100	4

9	PG_00070984	DATA ANALYSIS WITH SQL	K7_W04 K7_K01 K7_U04	2	Z	15	0	30	0	0	45	3	27	75	3					
10	PG_00071072	ECONOMIC GROWTH AND CONVERGENCE ANALYSIS	K7_W01 K7_K03 K7_U04	2	E	15	0	30	0	0	45	3	27	75	3					
11	PG_00070508	INSURANCE STATISTICS	K7_W06 K7_K01 K7_U02	2	Z	15	0	30	0	0	45	3	27	75	3					
12	PG_00070514	MANAGERIAL ACCOUNTING	K7_W05 K7_K02 K7_U01	2	E	30	30	0	0	0	60	3	37	100	4					
13	PG_00070512	SPATIAL ECONOMETRICS	K7_W02 K7_K01 K7_U05	2	E	15	0	30	0	0	45	3	52	100	4					
14	PG_00071073	SUSTAINABLE FINANCE	K7_W01 K7_K02 K7_U02	2	Z	30	30	0	0	0	60	3	37	100	4					
15	PG_M0002459	Team research project I	K7_K101 K7_W101 K7_U101	2	Z						40	3	32	75	3					
16	PG_00070525	ECONOMIC HISTORY OF GLOBALIZATION	K7_W04 K7_K02 K7_U06	3	Z	30	30	0	0	0	60	3	37	100	4					
17	PG_00070526	GLOBAL TRENDS	K7_W06 K7_K02 K7_U06	3	Z	30	30	0	0	0	60	3	37	100	4					
18	PG_00070527	NETWORK ECONOMIES AND INNOVATION POLICIES	K7_W06 K7_K02 K7_U04	3	E	30	30	0	0	0	60	3	37	100	4					
19	PG_00071076	SOCIO-ECONOMIC DEVELOPMENT	K7_W04 K7_K03 K7_U04	3	E	30	15	0	0	0	45	3	27	75	3					
20	PG_00071075	COST ACCOUNTING	K7_W05 K7_K02 K7_U01	3	E	15	30	0	0	0	45	3	27	75	3					
21	PG_00070516	DIPLOMA SEMINAR 1	K7_K03 K7_U06	3	Z	0	0	0	0	30	30	3	17	50	2					
22	PG_M0003040	FACULTY ELECTIVE COURSES I		3	Z						60	3	12	75	3					
23	PG_M0002460	Team research project II	K7_K101 K7_W101 K7_U101	3	Z						40	3	32	75	3					
24	PG_00070531	DIPLOMA SEMINAR 2	K7_K03 K7_U06	4	Z	0	0	0	0	40	40	3	32	75	3					
25	PG_00070532	MASTER THESIS	K7_W01 K7_K03 K7_U03	4	Z	0	0	0	0	0	0	3	397	400	16					
26	PG_M0003041	FACULTY ELECTIVE COURSES II		4	E						60	3	12	75	3					
TOTAL																1245	78	1252	2575	103

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5. SUMMARY OF THE NUMBER OF HOURS AND ECTS CREDITS:

TOTAL NUMBER OF HOURS IN THE PROGRAMME	TOTAL NUMBER OF ECTS CREDITS
3000	120
NUMBER OF CONTACT HOURS INVOLVING THE DIRECT PARTICIPATION OF ACADEMIC TEACHERS OR OTHER PERSONS CONDUCTING CLASSES:	
COVERED BY THE STUDY PLAN	1495
EXAMINATIONS DURING STUDIES	10
DIPLOMA EXAMINATION	0,5
TOTAL	1505,5
PERCENTAGE SHARE OF CONTACT HOURS	50,18%

6. TOTAL NUMBER OF ECTS CREDITS that the student must obtain WITHIN COURSES CONDUCTED WITH THE DIRECT PARTICIPATION OF ACADEMIC TEACHERS OR OTHER PERSONS CONDUCTING CLASSES:
64

7. NUMBER OF ECTS CREDITS that the student must obtain WITHIN FOREIGN LANGUAGE COURSES:
4

8. TOTAL NUMBER OF HOURS AND ECTS CREDITS that the student must obtain WITHIN THE MODULE/COURSE 'TEAM PROJECT'
6

9. GRADUATION REQUIREMENTS:

Obtaining a seventh-level qualification requires achieving the learning outcomes specified in the program and earning 120 ECTS credits, as well as being admitted to the defense of the diploma thesis after it has been checked in an anti-plagiarism system, obtaining a positive evaluation of the diploma thesis and its defense, and passing the diploma examination.

10. COURSE SYLLABUSES (in the Moja PG portal and the ECTS catalogue)

IX. COPY OF THE RESOLUTION OF THE FACULTY COUNCIL ON THE OPINION CONCERNING THE STUDY PROGRAMME, TOGETHER WITH A COPY OF THE OPINION OF THE RELEVANT STUDENT SELF-GOVERNMENT BODY (attached)

X. STUDY PLAN for full-time studies (attached)

XI. MATRIX OF LEARNING OUTCOMES IN RELATION TO MODULES/COURSES (attached)

XII. PROGRAMME CONTENT ENSURING THE ACHIEVEMENT OF LEARNING OUTCOMES (attached)