

Curriculum part 1

General characteristics of the studies	
Person managing the area (specialisation) of studies:	Department of Management and Economics
The area (specialisation) of studies <i>(name of the area (specialisation) must be adequate to the content of the curriculum, especially to the assumed learning outcomes)</i>	International Business
Level of education: <i>(Bachelor's degree, Master's degree, uniform Master's degree)</i>	Master's degree
Educational profile: <i>(general-academic, practical)</i>	Practical
Form of studies: <i>(full-time studies, part-time studies)</i> Optionally, specific studies systems (e.g. remote, dual)	Full-time studies
Number of semesters:	4
Internships (total):	480 hours up to and including 3 semester
OHS training:	none
Number of ECTS points necessary to obtain qualifications corresponding to the level of studies	120
Total number of ECTS points obtained:	
during classes requiring direct participation of academic teachers or other persons conducting classes:	61,5
as part of classes in the field of humanities or social sciences:	92
as part of apprenticeships:	18
as part of practical training modules:	80
for classes conducted in a remote system (applies to studies in a remote system):	
Percentage share of ECTS points for each discipline <i>(applies to the course assigned to more than one discipline):</i>	
leading discipline: economics and finance	90% of the total number of ECTS points
discipline(s): management and quality sciences	10% of the total number of ECTS points
Total student workload (NPS)	3055
Professional title obtained by the graduate:	Master's degree
Indication whether opinions of stakeholders were taken into account in the process of defining learning outcomes and in the process of preparing and improving the curriculum <i>(please specify the employers with whom agreements are concluded, meetings took place; how graduates are monitored, etc.)</i>	The learning outcomes and the curriculum were consulted with representatives of the Polish Economic Society, the Association of Entrepreneurs of Pomerania and Kujawy, the Sectoral Competence Council - Modern Business Services and managers of the international company: ATOS.
Prerequisites <i>(expected competencies of the candidate – especially in the case of Master's degree programmes)</i>	Completed bachelor's degree in economics, management, finance and banking, logistics (graduates of other programmes are obliged to pass the complementary module: Microeconomics, Macroeconomic basics, Accounting basics, Descriptive statistics)
Area (speciality) - programme relation	Economics

Training modules with assumed learning outcomes						
Training modules	Subjects (* - means an elective subject)	Assumed learning outcomes	Curriculum content to ensure achieving learning outcomes	Credit requirement	Number of ECTS	Methods of verifying the assumed learning outcomes achieved by the student
Canon subjects						
Management and entrepreneurship	Organisational culture – learning organisations	K_W01, K_W04, K_K05, K_K06	Learning Organisations; Organisational Culture; Organisational Culture Typology; Knowledge management in organisations; Review of Organisational Culture Research	Credit with a grade	1	Essay
	Project management and team building	K_W03, K_W10, K_U05, K_U06, K_U09, K_K04, K_K05, K_K06	Defining needs; Issue Management; Building a Team of Employees (Human Relations); Communication Management; Delegation of tasks; Risk Management; Change Management; IT Management Support Systems	Passing	1	Implementation of the project, oral statements; participation in the discussion, analysis of information on a given subject; tests
	Enterprise game	K_U01, K_U03, K_U05, K_K04, K_K06	Techniques to create correct presentation; Public appearance; Teamwork under time pressure; Business game rules; Teamwork over business problem; Public presentation of solutions	Credit with a grade	1,5	Passing the presentation
Social and economic integration	Social and economic integration	K_W01, K_U04, K_K05	Basics of academic etiquette and netiquette; Basics of savoir-vivre; Selected elements of Polish culture and tradition; Basics of Polish history; Basics of functioning in the institutional environment of Poland and the EU; Basics of functioning in the labor market of Poland and the EU; Basic social competencies.	Passing	0	Homework, final test, completing assignments, attending classes, attendance
Modern technologies	Basics of distance learning	K_K01, K_K05	Lifelong learning – pace of changes in the surrounding world, methods of professional self-improvement; Security of IT systems – logging in to WSG systems, elements of network security; working with the LMS system – places where information appears, sources of knowledge, methods of activation, methods of communication, ways of verifying learning outcomes	Passing	0	Tests, surveys, discussion on the forum
Practical Philosophy	Introduction to philosophy	K_W03	Types of human understanding; Unity and multitude of philosophy; Theoretical Philosophy; Philosophy of particular entities; Practical Philosophy; Basic philosophy issues; Maximalist philosophy; Minimalist philosophy	Credit with a grade	2	Test to obtain credit; in-class assignments; text analysis; completion of a project; participation in discussions
Physical education	Physical education (only for uniform master's degree programmes)	not applicable	Team games; General development activities with basketball, volleyball, handball, football, uni-hockey elements; Sports games: table tennis, badminton; Fitness	Passing	0	Test; self-assessment, analysis, observation
Flexible education	Introduction to scientific information	K_W09, K_K01	The concept of information and its application in science; Sources of scientific information; Catalogues and bibliographic databases; Scientific databases; Licensed online knowledge bases; Open repositories; Searching for information on the Internet; Use of thematic websites; Use of scientific search engines; Use of multi-search engines; Use of library information and search systems	Passing	1	Test on a remote learning platform
	Library Training	K_W09, K_K01	WSG information and library system; WSG Master Library (or branches) and its online collections; Online catalogues; Making collections available; Databases	Passing	0	Test on a remote learning platform
	Pre-Medical first aid	K_W03, K_U08, K_U09	Cardiopulmonary resuscitation (CPR) – algorithms of conduct; Injured party unconscious; Airway obstruction; Life threatening states related to nervous system. Symptoms and procedure; Diseases and emergencies requiring aid related to the respiratory system, cardiovascular system. Symptoms and procedure; frostbites, thermal burns, chemical burns, electric shock; wound types and dressing, haemorrhage; injuries to the musculoskeletal system, head, spine; Procedure in various life threatening situations and in case of diseases. Symptoms and procedure	Passing	1	Test; tasks; observation of students' work during exercises, assessment and analysis of practical tasks performed
	Specialist IT systems	K_U03, K_K01, K_K05	Working with ERP programs	Passing	1	Presenting software operation skills
	Polish language culture	K_U06, K_U07, K_U08, K_K05	Training of listening, speaking, reading and writing skills as part of everyday life and basic social contacts – establishing and maintaining contacts in formal and informal situations, providing information about oneself, shopping, using catering, transport and accommodation services, expressing basic needs in the above-mentioned situations.	Credit with a grade	4	Written control tests, oral answers verifying grammar and vocabulary knowledge; written works as part of homework, work on classes; brief written statements; homework, work on classes, written control tests verifying reading skills; self-assessment, observation; evaluation of activity and engagement in classes, observation of work in pairs or groups
Foreign language	Foreign language	K_U07, K_U08, K_K02	Training of listening, speaking, reading and writing skills in everyday life and basic social interactions - establishing and maintaining contacts in formal and informal positions; Providing information independently; Shopping skills; Using food, transportation and accommodation services, expressing basic needs in relation to everyday situations	Passing	2	Written work; oral statement; reading tasks; listening tasks
Basic subjects	Statistical Inference	K_W05, K_U02, K_U03, K_K01	Elements of the probability theory (one-dimensional random variables and their theoretical distributions). Functions (probability, distribution function) and parameters describing the distribution of a random variable; Limit theorems: law of large numbers, Central Limit Theorem; Sampling schemes; Basic concepts in statistical inference: random sample, estimator, distribution of the estimator, properties of the estimator. Distributions of sample statistics; Analysis of structure of mass phenomena (Estimation of parameters of the general population; Construction of confidence intervals for population mean, population variance and structure index; Verification of statistical hypotheses); Statistical inference in correlation and regression analysis (Two-dimensional and multidimensional random variables and their theoretical distributions; Functions and parameters describing the distribution of a random variable; Two-dimensional normal distribution; Confidence intervals for correlation coefficient; Significance tests for linear correlation coefficient); Statistical inference in regression analysis (Regression model verification: Significance of structural parameters, random component randomness, dependence linearity; Criteria for assessing the quality of a regression model); Statistical inference in time series analysis (Linear trend model).	Exam / Credit with a grade	4	Examination - test
Programme and area subjects						
	Macroeconomics	K_W01, K_W02, K_W04, K_W06, K_U01, K_U02, K_K01	Overview of basic macroeconomic concepts (Key macroeconomic concepts; Schools in macroeconomics; Aggregate demand and aggregate supply; Different ways of measuring economic activity); Aggregate demand theory (Importance of consumption, savings and investment; Consumption under certainty and uncertainty; Investment determinants; Equilibrium in a developed economy model; Multiplier model); Business cycle (Types of business cycles; Business cycle versus aggregate demand theory; Business cycle theories); Fiscal policy (Multiplier in fiscal policy; Budget deficit; Fiscal convergence criteria; Effects of public debt); Money and monetary policy (Interest rates; Principles of monetary policy; The role of the central bank; The impact of money on the economy; Inflation and monetary policy; Modern inflation theories; Anti-inflation policy dilemmas); Macroeconomics of the open economy (Balance of payments; Foreign trade and economic activity; Economic integration; Interdependencies in the global economy; IS-LM model in the open economy); Growth and stability policies in the open economy (Methods of stabilising the economy; Methods of stimulating long-term growth; IS-LM model in the open economy; Stabilisation policies in the IS-LM model in the open economy); Challenges of economic development (Economic development strategies; Alternative models of economic development; Endogenous growth theory; Hysteresis theory)	Exam / Credit with a grade	4	Test, exam, assessment of preparation of stage works
	History of economic thought	K_W01, K_K01	Subject of the History of Economic Thought and periodisation of the development of economic thought; Views preceding the emergence of classical economics (Early pre-classical economic thought; Mercantilism, Physiocracy and other precursors of classical economic thought); Classical economic thought (Adam Smith; Ricardo and Malthus; J.S. Mill); Karl Marx's economic theories; Neoclassical economic thought (Jevons, Menger; Development of marginal analysis; Walras' general equilibrium theory; Alfred Marshall); Heterodox economic thought (Veblen's critique of classical economics; Institutionalism); Keynesian economics; Milton Friedman's monetarism; Rational expectations theory; Currents in modern economic theory - a comparative analysis	Credit with a grade	2	Written work, Participation in discussion. Solving tasks individually and in groups.
	Managerial economics	K_W03, K_W04, K_W08, K_W10, K_U01, K_U05, K_K03, K_K06	Introduction to the issue of economic decision-making and issues falling within the field of interest of managerial economics; Microeconomic analysis as a tool to support corporate decision-making; Demand analysis. Flexibility of demand and its non-statistical determinants. Consumer excess and methods of taking it over by the business. Price discrimination and its forms; Manufacturing. Function of manufacturing and its measurement. Manufacturing with one variable manufacturing factor. Economies of scale; Cost analysis. Manufacturing costs. Economies of scale. Cost analysis and optimal decisions; decisions of a business under conditions of uncertainty. Uncertainty, probability and expected value. Decision trees; Manufacturing and pricing decisions in the competitive and monopolistic market – the problem of market efficiency and balance.	Credit with a grade / Credit with a grade	4	Written works, exam, test

Training modules with assumed learning outcomes						
Module: Programme subjects	Economic processes in business	K_W05, K_U02, K_U03, K_U05, K_K01, K_K02, K_K03	Introduction to dynamic econometrics (Concept of stochastic process and time series; Classification of dynamic models); Construction of trend models and forecasting based on them (Concept of trend; Estimation of a polynomial trend model; Determination of the degree of trend; Verification and quality assessment of the estimated trend model; Forecasting based on a trend model and determining measures of forecast accuracy); Building seasonality models and forecasting based on them (Concept of seasonality, Seasonality model with zero-one variables, Estimating a seasonality model, Verifying and assessing the quality of a seasonality model, Forecasting based on a seasonality model and determining measures of forecast accuracy); Building autoregressive models and determining forecasts (Form of autoregressive model; Estimating an autoregressive model; Determining the series of autoregression; Verifying the model and assessing the quality of the autoregressive model; Forecasting from an autoregressive model and determining measures of forecast accuracy); Construction of causal models and forecasting (Specifying a dynamic causal model; Estimating a causal model; Model verification and assessing model quality; Forecasting from a causal model and determining measures of forecast accuracy)	Exam / Credit with a grade	4	Test, exam
	Economic and commercial law	K_W04, K_W07, K_W09, K_K01, K_K02	Economic and commercial law (Introduction; Terminology; Establishment of a business); Contractual obligations (Concept of a business contract; Ways of contracting; Some civil law contracts; Entering into commercial contracts); Business activities (Business forms; Civil law forms; Commercial law forms; Other forms)	Exam	2,5	Test
	Capital and financial market	K_W02, K_W04, K_W06, K_U02, K_U05, K_U06, K_K01, K_K03	Financial market (Classification of financial markets; Financial instruments and their valuation; Participants in financial markets); External forms of money supply (credits, their types and forms of collateral, leasing, factoring, securities); Money and currency market; Pension market; Insurance market; Investment funds market; Capital market (Stock and bond market; Institutions of trading in securities; Activities of stock exchanges; Capital market models regarding valuation of profitability of instruments; Investment portfolio management methods; Measures of efficiency of stock markets); Global financial crisis; Examples of global crises (Origins of the subprime crisis; Interdependence of financial markets worldwide; Effects of the crisis, early warning systems and forecasts); Calculation of the value of money over time; Types of capitalisation, annuities, indexation; Examples using different interest rates; Evaluating the efficiency of investment projects using NPV, IRR, EVA, WACC methods; Cross currency exchange rates; Duration for bonds; Calculation of real annual interest rates on deposits and loans; Capital market indicators; Calculation of the risk-return ratio of investments; Market equilibrium models: Sharpe, CAPM, APT.	Credit with a grade / Credit with a grade	4	Test, performance of tasks individually or in groups
	International Economics	K_W01, K_W02, K_W04, K_W08, K_U01, K_U02, K_K01	National income accounts and balance of payments (National income account in an open economy; Structure of the balance of payments account); Exchange rates and foreign exchange market (Characteristics of the foreign exchange market - market participants; Demand for foreign currency assets; Equilibrium in the foreign exchange market: Interest rate parity; Interest rates, exchange rate expectations and equilibrium); Money market, interest rates and exchange rates (Equilibrium in the money market; Relationship between the money market and the exchange market; Money supply and exchange rate in the short run; Money, price level and exchange rate in the long run); Price level and exchange rate in the long run (Law of one price; Purchasing power parity; Long-run exchange rate model based on purchasing power parity; Real exchange rate); Production and exchange rate in the short run (Production market equilibrium in the short run: DD curve; Asset market equilibrium in the short run: AA curve; Short-run open economy equilibrium - DD-AA model); Transitional changes in monetary and fiscal policy in the DD-AA model; Permanent changes in monetary and fiscal policy in the DD-AA model; Adjusting trade flows and current account dynamics); Fixed exchange rates and foreign exchange market interventions (Central bank intervention and money supply; Exchange market equilibrium under fixed exchange rates; Money market equilibrium under fixed exchange rates); Macroeconomic policy and its coordination under floating exchange rates (Arguments in favour of floating exchange rates; Arguments against floating exchange rates)	Credit with a grade / Credit with a grade	3,5	Test; Written works
	Mathematical economics	K_W05, K_W06, K_U02, K_U03, K_K01	Mathematical theory of demand (Consumer preferences; Budget sets and surfaces; Utility function; Consumer demand function; Compensatory demand function; Derivatives of the utility function); Mathematical theory of supply (Perfect competition (revenue maximization, cost minimization, profit maximization); Monopoly (revenue maximization, cost minimization, profit maximization)); Market models (Arrow-Hurwicz model; Cobweb model; Samuelson model; Phillips model)	Exam / Credit with a grade	4,5	Test; exam
	Humns resources management	K_W03, K_W04, K_K01, K_K05	Concepts and analyses of human capital in economic sense (The concept of human capital; Causes of interest in human capital; Human capital as a factor in social and economic development); Structure of human capital and segmentation of the labour market (Evolution of the concept of human capital in economic sense; Human Capital Theory; Segmentation of the labour market theories and the problem of human capital); Human capital in the knowledge economy. Human capital and education and training policy (Essence of the knowledge economy; Post-industrial business. Knowledge employee; Education policy. Lifelong learning, education and the labour market); Intellectual capital (Intellectual Capital concept; Intellectual Capital Models); Methods for measuring intellectual capital (Methods based on market capitalisation; Asset Return Methods; Direct measurement of intellectual capital); Human Capital Management in the organisation. Effectiveness of investment in human capital (Objectives and scope of human capital management; Human capital instruments and entities; Strategic human capital management; Measures for assessing the effectiveness of investment in human capital. Tools to ensure the effectiveness of investments in human capital)	Credit with a grade	2	Written work, participation in discussions
Module: Logistics and transport	International logistics	K_W02, K_W04, K_U01, K_U02, K_U05, K_K01, K_K05	International aspects of management (reference to the place of LM in international management; integration processes in LM); Strategy in LM (conditions of creating international supply chains; competition in LM; social and cultural conditions of international logistics); Conditions of operation of supply chains in the EU (integration of the goods and services market; factors of development of TSL in Poland; evolution of supply network configuration); Global logistics (globalisation of supply chains; evolution of logistics policy); Place and role of international logistics in international management; methods of international logistics management – theory and practice; Conditions of creating international supply chains; Effects of implementing international logistics in a business - case study (RABEN; DHL; UPC; PST; TANSCLAN; Air transport in Poland)	Credit with a grade / Credit with a grade	3	Written work, performance of tasks individually or in groups, case study
	Logistics management	K_W03, K_W04, K_U01, K_U02, K_U05, K_K01	Basic concepts and issues in the scope of: management, strategic management, logistics; Value Chain Management, including the logistics system of a business: (analysis of the value chain of a manufacturing company, analysis of the value chain of a services company of the TSL sector, the role and tasks of the logistics system of a manufacturing company in the management processes, the role and tasks of the logistics system of a services company of the TSL sector in the management processes); development of the concept of business and supply chain management as part of building up the efficiency of systems and processes: Just in Time (JIT) – tasks in supply optimisation processes, Lean Management (LM) – business operation optimisation system, Agile Management (AM) – management concept allowing for quick response to changes on the demand side, Total Quality Management (TQM) – management system focused on quality building in each process, Business Process Management (BPR) – business and supply chain change management concept; Analysis of the importance of logistics tools for optimisation of processes in businesses and supply chains: the logistics system of a manufacturing company as a system of logistic tools for the effective use of the company's resources, analysis of the importance of logistic tools in the management of relations with suppliers and recipients, including final customers and consumers, e-business as part of the company's logistic management in the area of building relations with suppliers and recipients.	Credit with a grade / Credit with a grade	4,5	Oral statements, final test
Module: Businesses in the international market	The economic analyzes of enterprises	K_W02, K_W04, K_W05, K_W10, K_U02, K_U03, K_U04, K_K03, K_K06	Analysis of the basic financial statements of companies in the TSL sector (Analysis of the balance sheet; Analysis of the profit and loss account; Analysis of the cash flow statement); Analysis of the own costs of companies in the TSL sector (Analysis of costs by type; Analysis of costs by function; Analysis of unit costs); Analysis of the performance of companies in the TSL sector (Analysis of liquidity; Analysis of financial support (debt); Analysis of profitability of companies in the TSL sector; Analysis of turnover)	Exam / Credit with a grade	4	Test, exam
	Enterprise on global market	K_W02, K_W03, K_U01, K_U02, K_U08, K_K01	Definition of globalisation - various approaches; History of globalisation - globalisation in ancient times; Globalisation in Middle Ages; Globalisation in Modern Ages; Opportunities and threats of globalisation; Key players; Degrees of globalisation; Reasons for globalisation; Differences between international and global competition; Entering global markets; Political Aspects; Economic Aspects; Social Aspects; Technological Aspects; Methods of market entry; Types of international strategies; International Promotion Strategy; International Pricing Strategy; Effects of globalisation; the bright side of globalisation; the dark side of globalisation	Exam / Credit with a grade	4,5	Participation in discussion and debate, tests, oral answers
	Common European market	K_W02, K_W04, K_W06, K_U01, K_U06, K_K05, K_K06	Historical and geographic aspects of the common market in Europe; Political aspects of the European common market; Common services market; Common labour market; Common traditional and electronic media market	Credit with a grade / Credit with a grade	4	Discussion, test

Curriculum part 2

Area: International Business

Training modules with assumed learning outcomes						
	Digital economy and AI	K_W05; K_W09, K_W03, K_K04	Definitions, features, global trends; Impact of digital transformation on business models and the economy; The role of data, automation and artificial intelligence in the economy; Digital competencies and critical analysis of digital technologies; AI in manufacturing and services; Digital regulation and etiquette; The future of the economy and AI; Data management	Credit with a grade	2	Oral statements, final test
	The analysis and forecasting of foreign markets	K_W04, K_W05, K_U03, K_U06, K_K03	Global marketing: Global business and emerging markets; Cultural, economic and political factors and their impact on the attractiveness of a local market; Emerging markets theory: Opportunities and threats analysis for selected emerging markets; Analysis of market resources and opportunities; Marketing research and demand forecasting; Assessment of current demand; Market potential and brand development indicator; Selected foreign market entry strategies; Territorial expansion strategies and internationalisation models; Agreements and subcontracting agreements - phenomenon in the internationalisation process; Global marketing strategies; Case study of selected countries - macroeconomic analysis (GDP, currency market, public debt, taxes, foreign trade, etc.)	Exam / Credit with a grade	3,5	Oral statement, case study
	International trade	K_W02, K_W06, K_U05, K_K06	Theories and mechanisms of international trade; contemporary trends in global trade in goods and services; trade policy of states and the role of international organizations; ability to interpret trade data and formulate export-import strategies; classical and modern trade theories; trade policy; trade in services and digital international trade;	Exam / Credit with a grade	5,5	Participation in discussion and debate, tests, oral answers, colloquium
	Financial and management accounting	K_W02, K_W03, K_W05; K_U01, K_U02, K_U03, K_U04, K_U05, K_U09, K_K01, K_K02, K_K03	Recording of business operations. Financial result and its settlement. Financial reporting. Selected financial accounting issues. Recording and settlement of costs and the account of planned costs. Management accounting in short- and long-term decisions. Concept and functions of controlling.	Credit with a grade / Credit with a grade	4	Test, oral statement
	International investments	K_W02, K_W04, K_W08, K_U02, K_U05, K_K03	Key foreign finance issues such as the International Monetary System and the functioning of international financial markets; the characteristics of major international financial institutions; credit rating agencies and their role in the functioning of international financial markets; financial instruments in the money and capital markets;	Credit with a grade / Credit with a grade	4	Test, oral statement
Module Elective classes and expert classes	Elective classes I	K_W02, K_W03, K_W04, K_K01, K_K06	Elective classes are chosen by the student in a specific semester in accordance with the curriculum. This class, depending on the topic chosen by the student, aims to expand their knowledge during the lectures. The proposed topics of classes concern general economic issues or specific issues related to a specific area of study. Proposals are made after consulting with students their areas of interest during the first year of studying.	Credit with a grade	2	Performing tasks individually or in groups, participating in discussions
	Elective classes II-III	K_U01, K_U02, K_U05, K_U08, K_U09, K_K01, K_K06	Elective classes are chosen by the student in a specific semester in accordance with the curriculum. This class, depending on the topic chosen by the student, aims to expand their competences during the workshops. The proposed topics of classes concern general economic issues or specific issues related to a specific area of study. Proposals are made after consulting with students their areas of interest during the first year of studying.	Credit with a grade	3,5	Performing tasks individually or in groups, participating in discussions
	Expert classes I	K_U01, K_U05, K_U06, K_U09, K_K01, K_K02, K_K06	Expert classes are classes conducted by experts-practitioners. Topics of classes are assigned based on current economic events, trends in management and finance sciences.	Passing	1	Performing tasks individually or in groups, participating in discussions
	Expert classes II	K_U01, K_U05, K_U06, K_U07, K_K01, K_K02	Expert classes part 2 are classes conducted by experts-practitioners (Visiting Professors) in a foreign language. Topics of classes are assigned based on current economic events, trends in management and finance sciences.	Passing	1,5	Performing tasks individually or in groups, participating in discussions
Internships	Internship "Employee competencies"	K_W03, K_U04, K_U05, K_U09, K_K03, K_K05, K_K06	Completion of the internship in accordance with the guidelines in the internship programme	Passing	6	Internship Form, Questionnaires, Tests
	Industry internship I and II	K_U01, K_U04, K_U05, K_U08, K_U09, K_K02, K_K03	Completion of the internship in accordance with the guidelines in the internship programme	Passing	12	Internship Form, Questionnaires, Project tasks
Diploma process	Methodology of research	K_W01, K_W05, K_U03, K_U05, K_K01	Methodology as a science; Knowledge vs. science; Methodological peculiarities of sciences; Scientific research as problem solving; Selected research methods and techniques; Algorithms of typical scientific reasoning; Construction and dynamics of scientific theory; Scientific research management; Principles of forming and presenting scientific papers; Principles of measurement tool construction, construction of a survey questionnaire, questionnaire refinement; Types of survey research, techniques for increasing questionnaire return, data coding; Calculation of measures using Excel statistical functions - measures of central tendency and dispersion, correlation and regression coefficients, measures of phenomenon dynamics	Credit with a grade	2	Test; teacher and peer evaluation; evaluation of oral statements
	Computer Methods for Formulating Scientific Data	K_U03, K_K01, K_K05	Online research methodology; Existing data; Data analysis; Reporting	Passing	1	Performing tasks in a group or individually; participating in discussions; - active participation in classes; exam
		K_W09, K_U01, K_U06, K_U08, K_K01, K_K04	1. Discussion of formal and substantive requirements to be met by the diploma thesis, including guidelines and recommendations developed for student graduating from WSG in Bydgoszcz. 2. Drawing attention to the criteria taken into account in the evaluation of the thesis, such as: compliance of the subject with the content; layout and structure of the thesis, completeness of theses; methodological correctness (achieving objectives, verification of hypotheses, logical manner of reasoning and formulating conclusions); elements of novelty; selection and use of literature and other sources and ethical aspects related thereto; formal side: linguistic correctness, writing technique, tables, charts, footnotes, lists, etc. 3. Defining the schedule of works related to preparation of the methodological concept of research and work plan and implementation of subsequent stages of preparation of the parts of the thesis (theoretical and research). 4. Defining methodological assumptions: subject, problem and time scope of the research, research objectives and hypotheses, as well as research methods, nature of data sources, etc., 5. Discussing methodological assumptions in relation to the planned works. Principles for building the structure of a thesis, its components and sequence, division into chapters, sub-chapters and clauses – in general and for specific theses. 6. Developing draft work plans. 7. Rules for collecting research materials and studying literature. Exploring, selecting and critically analysing materials for suitability to achieve research objectives. 8. Collecting and organising information in problem groups in accordance with the adopted methodological assumptions (scopes) and work plan. 9. Developing theoretical part of the works and presentation of conclusions resulting from them 10. Verification and detailing of the work plan after the first phase of the literature study and carrying out the planned own research. 11. Reminding of the basic groups of research methods and techniques. 12. Development and presentation of research results and conclusions resulting therefrom; discussion and possible correction of substantive and formal errors. 13. Development of the research part of the thesis.	Passing	5	Master's degree thesis plan, active participation in classes, progress of master's degree thesis
	Master's seminar	K_W09, K_U01, K_U02, K_U03, K_U06, K_U08, K_K01, K_K03, K_K04, K_K05	Preparation for the diploma examination - discussion of issues	Credit with a grade	5	Submitting and obtaining approval of the diploma project; analysis of individual cases
	Master's seminar and preparation for the diploma exam		Formal and substantive issues of the thesis: analysis of literature on the research problem, analysis of the existing state of knowledge on the subject, methodological basis of own research. The process of writing a scientific paper. Editorial and technical requirements.			