

Subject card

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|---|---|--|---|-------------------------------------|--|------------|-----|
| Subject name and code | Physical Education, PG_00178054 | | | | | | |
| Field of study | WF | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Obligatory subject group in the field of study | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | Polish | | |
| Semester of study | 2 | | ECTS credits | | 0.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Biuro CWFIS -> Physical Education and Sports Centre -> Vice-Rector for Student Affairs -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 30.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 0.0 | | 0.0 | 30 |
| Subject objectives | <p>- shaping the need for constant physical activity as part of a pro-healthy lifestyle,</p> <p>- popularization of various forms of physical activity: sports, tourism and recreation, rehabilitation</p> <p>,- formation of general physical fitness and movement skills and habits in the field of selected disciplines,</p> <p>- supporting harmonious psychophysical development</p> | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| Subject contents | Depending on the type of activities selected by the student from the CWFIS offer: badminton, body and mind, aerobic exercise with body shaping elements, strength training, fitness, full body workout, compensatory and corrective gymnastics, golf, yoga, basketball, ice skating, outdoor marching with athletics elements, skiing, swimming lessons, nirvana fitness, Nordic walking, soccer, indoor soccer, swimming, power pump, self-defense, volleyball, stretching with yoga elements, tabata, modern dance, beginner tennis, intermediate tennis, table tennis, trekking, cardio training, circuit training, bicycle training, floorball, sport climbing, zumba, sailing, theory classes. | | | | | | |
| Prerequisites and co-requisites | No requirements | | | | | | |
| Assessment methods and criteria | Subject passing criteria | | Passing threshold | | Percentage of the final grade | | |
| | Credit is based on attendance and active participation in class | | 100.0% | | 100.0% | | |
| Recommended reading | Basic literature | | | | | | |
| | Supplementary literature | | | | | | |
| | eResources addresses | | | | | | |

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| Example issues/ example questions/ tasks being completed | |
| Work placement | Not applicable |

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Subject card

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|---|---|--|---|-------------------------------------|---------|--|-----|
| Subject name and code | Finance & Banking, PG_00178607 | | | | | | |
| Field of study | Finance & Banking | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | | 2025/2026 | |
| Education level | Bachelor's studies | | Subject group | | | Obligatory subject group in the field of study Subject group related to scientific research in the field of study | |
| Mode of study | full-time studies | | Mode of delivery | | | at the university | |
| Year of study | 1 | | Language of instruction | | | English | |
| Semester of study | 2 | | ECTS credits | | | 5.0 | |
| Learning profile | academic | | Assessment form | | | exam | |
| Conducting unit | Department of Corporate Finance -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. Julia Koralun-Bereźnicka | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 30.0 | 0.0 | 0.0 | 0.0 | 60 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 60 | | 4.0 | | 61.0 | 125 |
| Subject objectives | To familiarise students with finance and banking terminology, norms and rules in finance and banking. | | | | | | |

| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|-------------------|--|---|---|
| | [FiRL3_U01] The student can analyze and interpret socio-economic processes and phenomena—from the finance and accounting perspective—using knowledge and tools from management, quality sciences, economics, and finance. | <ul style="list-style-type: none"> - Student analyzes credit and market risk using basic tools and methods - Student interprets the impact of financial instruments and markets on enterprise financing decisions - Student applies financial knowledge to evaluate institutional practices and regulatory influences in case-based tasks | [SU2] prezentacja/projekt/referat/raport [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego |
| | [FiRL3_W02] The student has advanced knowledge and understanding of the functioning of the domestic and international financial market and financial instruments and institutions. | <ul style="list-style-type: none"> - Student understands the structure and functions of the financial system, including key institutions and market segments - Student identifies and characterizes financial instruments, including derivatives, their uses and risk profiles - Student explains the roles of domestic and international financial markets and their regulatory environments | [SW4] test/egzamin - ustny lub pisemny [SW2] prezentacja/projekt/referat/raport [SW5] realizacja zadania problemowego |
| | [FiRL3_U04] The student is able—from the perspective of finance and accounting—to correctly select and properly apply methods and tools from the fields of management and quality sciences, economics, and finance to analyse and forecast economic processes and evaluate economic phenomena. | <ul style="list-style-type: none"> - Student uses basic financial tools to evaluate creditworthiness and assess loan applications - Student compares financial instruments and analyzes market risk - Student interprets financial data to support decisions in areas such as bank product selection, financing methods, and liquidity management | [SU2] prezentacja/projekt/referat/raport [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego |
| | [FiRL3_W03] The student knows and understands, to an advanced degree - from the perspective of finance and accounting - the internal and external relations of institutions and organizations with particular emphasis on financial security systems. | <ul style="list-style-type: none"> - Student distinguishes between different banking models (relationship vs. transactional) and explains their implications for financial stability and client relations - Student understands the role of financial institutions in ensuring creditworthiness and mitigating risk through instruments and policies - Student recognizes the interdependence of fiscal and monetary policy in shaping institutional relations | [SW4] test/egzamin - ustny lub pisemny [SW2] prezentacja/projekt/referat/raport [SW5] realizacja zadania problemowego |

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|---------------------------------|--|---|-------------------------------|
| Subject contents | <div>1. Money and Finance: Definitions and Functions</div> <div>2. Financial Phenomena, Flows, and Categories</div> <div>3. Fundamentals of Financial Science and Methodology</div> <div>4. Monetary and Fiscal Policy: Instruments and Effects</div> <div>5. Financial System: Structure, Functions, and Regulation</div> <div>6. Financial Institutions and Their Roles in the Economy</div> <div>7. Financial Instruments and Derivatives: Overview and Applications</div> <div>8. Financial Markets: Types, Operations, and Supervision</div> <div>9. Banking Sector: Organization, Segmentation, and Services</div> <div>10. Cash Management and Liquidity Products</div> <div>11. Financing Types and Credit Risk Management</div> <div>12. Credit Documentation and Loan Procedures</div> <div>13. Market Risk and Financial Risk Management</div> <div>14. Leasing, Factoring, Trade Finance, and Other Bank Products</div> <div>15. Relationship vs. Transactional Banking and Digital Transformation</div> | | |
| Prerequisites and co-requisites | No prerequisites are required. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written exam | 51.0% | 50.0% |
| | Group project with presentation | 51.0% | 25.0% |
| | Written test | 51.0% | 25.0% |
| Recommended reading | Basic literature | <div>1. Melicher R.W., Norton E.A., Introduction to Finance. Markets, Investments and Financial Management, John Wiley & Sons, any edition</div> <div>1. Christine Johnson, Banking and Finance, Education Limited, Harlow, any edition</div> | |

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| | Supplementary literature | <ol style="list-style-type: none"> 1. Adelman P.J., Marks A.M., Entrepreneurial Finance, Pearson, any edition 2. Cecchetti S. G., Money, Banking and Financial Markets, McGrawHill Irwin, any edition 3. Arnold G., Corporate Financial Management, Prentice Hall, any edition 4. Michael R. Sneyd, International Banking and Finance, Prentice Hall International, Hemel Hempstead, any edition |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | <ol style="list-style-type: none"> 1. Identify the main differences between the money market and the capital market. Provide examples of typical instruments used in each and explain when they are commonly applied by investors or firms. 2. How do banks adapt credit risk models to market changes? 3. What innovations enhance the appeal of transactional banking? 4. What are the trends in trade finance for global markets? | |
| Work placement | Not applicable | |

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Subject card

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|---|---|--|--|-------------------------------------|---|------------|-----|
| Subject name and code | Financial Mathematics, PG_00178609 | | | | | | |
| Field of study | Financial Mathematics | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Obligatory subject group in the field of study Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English | | |
| Semester of study | 2 | | ECTS credits | | 6.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Department of Investment and Real Estate -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. Anna Wojewnik-Filipkowska | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 15.0 | 30.0 | 0.0 | 0.0 | 60 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 60 | | 4.0 | | 86.0 | 150 |
| Subject objectives | Introduction to basic rights and principles of financial mathematics essential financial analyst work. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [FiRL3_U02] The student can identify, analyze or design adequate solutions to problems in finance and accounting. | | The student applies appropriate financial mathematics techniques to identify and solve practical financial problems, such as investment evaluation or debt repayment. | | [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego | | |
| | [FiRL3_W05] To an advanced degree, the student knows and understands the tools and techniques for obtaining, compiling, and analyzing the data necessary to assess the financial situation of various entities in management, quality sciences, economics, and finance. | | The student understands and can explain key concepts related financial mathematics that underline valuation, interest rate mechanics, and investment decision-making. | | [SW4] test/egzamin - ustny lub pisemny [SW5] realizacja zadania problemowego | | |
| | [FiRL3_U03] The student can obtain data and verify its accuracy from appropriately selected sources and use these data to analyse and evaluate economic processes and phenomena in management and quality sciences, economics and finance. | | The student selects and verifies financial data from appropriate sources and uses it to build and assess cashflow models relevant to economic and financial processes. | | [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego | | |
| Subject contents | Interest rates. Simple interest rates. Present value of a single future payment. Discount factors. Effective and nominal interest rates. Real and money interest rates. Compound interest rates. Relation between the time periods for compound interest rates and the discount factor. Annuities and perpetuities. Debt repayment schedules. Introduction to fixed-income instruments. Generalized cashflow model. Net present value of a sequence of cashflows. Internal rate of return. Investment project appraisal. Examples of cashflow patterns and their present values. Elementary compound interest problems. | | | | | | |

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| Prerequisites and co-requisites | The student is familiar with concepts of mathematics for economies. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Class assignment | 51.0% | 30.0% |
| | Exam | 51.0% | 50.0% |
| | Project/problem solving | 51.0% | 20.0% |
| Recommended reading | Basic literature | 1. Hastings J. K., Introduction to financial mathematics, A Chapman and Hall Book, 2015. 2. Time value of money, Discounted cash flow application, Introduction to Fixed-Income valuation - CFA Program Curriculum Level I, Volumes 1-6 Willey, CFA Institute, 2019 (and later) | |
| | Supplementary literature | John McCutcheon and William F. Scott, An Introduction to the Mathematics of Finance, Elsevier Butterworth-Heinemann, 1986. ISBN 0-7506-0092-6. | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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Subject card

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|---|--|--|---|-------------------------------------|--|------------|-----|
| Subject name and code | Financial Accounting, PG_00178612 | | | | | | |
| Field of study | Financial Accounting | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Obligatory subject group in the field of study Subject group related to scientific research in the field of study | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English English | | |
| Semester of study | 2 | | ECTS credits | | 7.0 | | |
| Learning profile | academic | | Assessment form | | exam | | |
| Conducting unit | Department of Corporate Finance -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Krzysztof Krzywdziński | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 45.0 | 0.0 | 0.0 | 0.0 | 75 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 75 | | 4.0 | | 96.0 | 175 |
| Subject objectives | The aim of the course is to familiarize students with principles of financial accounting mechanics, recording business transactions and basic documentation used. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [FiRL3_U02] The student can identify, analyze or design adequate solutions to problems in finance and accounting. | | The student is able to properly interpret accounting regulations and apply his or her interpretations in practice. | | [SU4] test/egzamin - ustny lub pisemny | | |
| | [FiRL3_U04] The student is able—from the perspective of finance and accounting—to correctly select and properly apply methods and tools from the fields of management and quality sciences, economics, and finance to analyse and forecast economic processes and evaluate economic phenomena. | | The student knows modern accounting tools and is able to use them in practice. | | [SU4] test/egzamin - ustny lub pisemny | | |
| | [FiRL3_W06] To an advanced degree, the student knows and understands the objectives, essence, nature and interrelationships of financial processes, ways of recording them, and the principles of rational decision-making and implementation of changes in this area. | | The student understands financial transactions in various types of enterprises and knows how to record them in the appropriate accounting accounts. | | [SW4] test/egzamin - ustny lub pisemny | | |

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| Subject contents | <div>1. Functions and purposes of book-keeping and accounting.</div> <div>2. General ledger and accounts. Modifications for various entities.</div> <div>3. Working of different types of posting accounts: nominal accounts, sub-ledger accounts, contra-asset accounts, and control accounts.</div> <div>4. Asset, liabilities, capital, revenue, and expense accounts.</div> <div>5. Basic accounting equation.</div> <div>6. Working of general ledger, auxiliary ledgers, double-entry book-keeping, and trial balance.</div> <div>7. Working of opening and closing balances in accounts.</div> <div>8. Main captions of balance sheet: non-current assets, current assets, capital, long-term debt, short-term liabilities, as well as tangible and intangible assets, inventories, AR, share capital, retained earnings, AP.</div> <div>9. Classifying assets and liabilities and explaining problems of proper valuation.</div> <div>10. Recording and interpreting basic business transactions: sale, purchase, processing, investing, and cash.</div> <div>11. Identifying main captions of P&L: revenues, operational expenses, gross profit (gross margin), financial items, gains and losses, net profit, and retained profit.</div> <div>12. Accounting for fixed assets and depreciation.</div> <div>13. Intangible assets and their amortisation.</div> <div>14. Recording purchases of raw materials and goods.</div> <div>15. Accounting of the production process.</div> <div>16. Sales and revenue accounting.</div> <div>17. Accruals in financial accounting.</div> <div>18. From recording transactions to financial statements - trial balance and adjustments.</div> | | |
| Prerequisites and co-requisites | Basic knowledge of economics and management. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written test | 51.0% | 60.0% |
| | Written exam | 51.0% | 40.0% |
| Recommended reading | Basic literature | <div>1. Marshall D., McManus W., Viele D., "Accounting. What the Numbers Mean", McGraw-Hill, 11 th Edition, 2016.</div> <div>2. Robinson T.R., Henry E., Pirie W.L, Broihahn M.A., Cope A.T.: International Financial Statement Analysis (CFA Institute Investment), 3rd Edition, John Wiley & Sons Inc, 2015.</div> <div>3. Weygandt J. J., Kimmel P. D., Kieso D. E., Accounting Principles, 12th Edition, John Wiley & Sons Inc, 2015.</div> | |
| | Supplementary literature | <div>1. Sheila Robinson, Frank Wood's Book-keeping and Accounts, 9th Edition, 9/E, Pearson, 2018.</div> <div>2. Financial reports of selected companies in English.</div> | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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Subject card

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| Subject name and code | Microeconomics, PG_00178613 | | | | | | |
| Field of study | Microeconomics | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | | 2025/2026 | |
| Education level | Bachelor's studies | | Subject group | | | Obligatory subject group in the field of study Subject group related to scientific research in the field of study | |
| Mode of study | full-time studies | | Mode of delivery | | | at the university | |
| Year of study | 1 | | Language of instruction | | | English | |
| Semester of study | 2 | | ECTS credits | | | 5.0 | |
| Learning profile | academic | | Assessment form | | | exam | |
| Conducting unit | Department of Corporate Finance -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | mgr inż. Alicja Grzenkowicz | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 30.0 | 0.0 | 0.0 | 0.0 | 45 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 45 | | 3.0 | | 77.0 | 125 |
| Subject objectives | The course aims to provide students with a foundational understanding of microeconomic principles, including market mechanisms, consumer and producer behavior, and different market structures. It equips students with the tools to analyze economic problems and assess market outcomes. | | | | | | |

| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|---------------------------------|---|---|--|
| | [FiRL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality, economics, and finance theories and their place in the social sciences system, particularly from the perspectives of finance and accounting. | The student explains the nature and theoretical foundations of economics as a social science, characterizes key economic models related to consumer and producer behavior, market structures, and factor markets, and demonstrates an understanding of their evolution and relevance within the broader context of finance and accounting. | [SW4] test/egzamin - ustny lub pisemny [SW1] wypowiedź ustna/rozmowa/diskusja |
| | [FiRL3_U01] The student can analyze and interpret socio-economic processes and phenomena—from the finance and accounting perspective—using knowledge and tools from management, quality sciences, economics, and finance. | The student analyzes and interprets economic phenomena—such as market behavior, factor pricing, and competition structures—using foundational tools and concepts from economics and finance, with particular attention to their implications for financial decision-making | [SU1] wypowiedź ustna/rozmowa/diskusja [SU4] test/egzamin - ustny lub pisemny |
| | [FiRL3_W02] The student has advanced knowledge and understanding of the functioning of the domestic and international financial market and financial instruments and institutions. | The student describes the structure and functions of domestic and international financial markets, distinguishes between key financial instruments and institutions, and explains their roles in the flow of capital and the functioning of the global financial system. | [SW4] test/egzamin - ustny lub pisemny [SW1] wypowiedź ustna/rozmowa/diskusja |
| | [FiRL3_U02] The student can identify, analyze or design adequate solutions to problems in finance and accounting. | The student identifies and evaluates selected problems related to resource allocation, pricing, or market inefficiencies, and proposes appropriate financial or economic solutions supported by theoretical reasoning and empirical indicators. | [SU1] wypowiedź ustna/rozmowa/diskusja [SU4] test/egzamin - ustny lub pisemny |
| Subject contents | 1. Economics as a science 2. Sources of economic data and types of indicators 3. Market, demand and supply 4. The theory of consumer choice 5. The theory of producer 6. Perfect competition a) Models of market structures b) Enterprise equilibrium in perfect competition 7. Imperfect competition a) Equilibrium of Monopoly b) Monopolistic competition: c) Oligopoly d) Monopolistic practices and antitrust legislation. 8. Basics of division theory 9. Labor market 10. Land and capital market a) Land market: b) Physical capital market c) Financial capital market | | |
| Prerequisites and co-requisites | Knowledge of mathematics. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written exam - two tests during the term. | 51.0% | 100.0% |
| Recommended reading | Basic literature | 1. Robert S. Pindyck, Daniel L. Rubinfeld, Microeconomics, 8th edition, Pearson, New Jersey, USA, 2013, 2. Gregory N. Mankiw, Principles of Microeconomics, 5th edition, Cengage Learning, Mason, USA, 2008, 3. Geoffrey A. Jehle, Philip J. Reny, Advanced Microeconomic Theory, 3rd edition, Pearson Education Limited, Essex, England, 2011, | |

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| | Supplementary literature | <ol style="list-style-type: none"> 1. Wojnicka-Sycz, Elżbieta. (2020). Theory-based evaluation criteria for regional smart specializations and their application in the Podkarpackie voivodeship in Poland. <i>Regional Studies</i>. 54. 1-14. 10.1080/00343404.2020.1802419. 2. Wojnicka-Sycz, Elżbieta & Piróg, Krzysztof & Tutaj, Jerzy & Walentynowicz, Piotr & Sycz, Piotr & Tenbrink, Candace. (2022). From Adjustment to Structural Changes -Innovation Activity of Enterprises in the Time of COVID-19 Pandemic; <i>Innovation: The European Journal of Social Science Research</i>. Innovation The European Journal of Social Science Research. online first. 10.1080/13511610.2022.2036951. |
| | eResources addresses | <p>Basic</p> <p>https://tradingeconomics.com/-Economicdata - Trading Economics provides its users with accurate information for 196 countries including historical data and forecasts for more than 20 million economic indicators, exchange rates, stock market indexes, government bond yields and commodity prices.</p> |
| Example issues/ example questions/ tasks being completed | <p>Explain how a monopoly sets price and output quantity, and discuss the consequences for consumers and market efficiency.</p> <p>Analyze how changes in consumer preferences affect market equilibrium in a perfect competition model.</p> <p>Describe the differences between the physical capital market and the financial capital market, and explain how both markets influence business development.</p> | |
| Work placement | Not applicable | |

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| Subject name and code | Ethics, PG_00178598 | | | | | | |
| Field of study | Ethics | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Obligatory subject group in the field of study Humanistic-social subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English | | |
| Semester of study | 2 | | ECTS credits | | 3.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Department of Corporate Finance -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Dawid Szramowski | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 43.0 | 75 |
| Subject objectives | The aim of the lecture is to present students with main ethical theories as well as with the main ethical problems to solve which the theories are applied. After the lecture students should be able to know and understand basic terms and main claims of the ethical theories analyzed during the lecture. The aim of the course is also to familiarize students with the role and importance of professional standards and presentation of best practices in the financial industry. Students should be able to identify, analyze, and manage ethical issues related to their professional activity. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [FiRL3_W10] The student knows and understands to an advanced degree the fundamental dilemmas of modern civilization from the perspectives of finance and accounting. | Identifies and explains key ethical theories and concepts relevant to contemporary moral challenges in finance; analyzes ethical dilemmas in financial practice in light of global and professional standards; and evaluates the moral and social consequences of financial decisions in the context of modern civilization. | [SW4] test/egzamin - ustny lub pisemny |
| | [FiRL3_U09] The student can effectively plan and execute their learning process while continuously enhancing their finance and accounting skills throughout their lives. | identifies areas requiring ethical development in the context of finance and accounting, develops a habit of reflecting on the ethical aspects of actions and decisions, and uses available sources of knowledge to continuously update their ethical awareness and adapt it to changing market realities. | [SU4] test/egzamin - ustny lub pisemny |
| | [FiRL3_U07] The student can prepare written papers, presentations, and oral presentations on finance and accounting issues. | Develops and delivers well-structured written presentations on ethical issues in finance; formulates arguments based on ethical theories and professional standards; and communicates moral reasoning clearly in the context of real-world financial dilemmas. | [SU4] test/egzamin - ustny lub pisemny |
| Subject contents | <div>1. What is the meaning of life? (Looking for a proper perspective to talk about moral good and wrong)</div> <div>2. What is ethics?</div> <div>3. What is the nature of moral good? (ethical theories):<div>a. Egoism</div><div>b. Hedonism</div><div>c. Existentialism</div><div>d. Utilitarianism</div><div>e. Deontonomism</div><div>f. Virtue Ethics</div><div>g. Personalism</div></div> <div>4. Role of ethics in finance</div> <div>5. Key documents related to professional standards: CFA Institute Code Of Ethics And Standards Of Professional Conduct, Asset Manager Code,Professional Standards On Polish Capital Market</div> <div>6. Ethical decision making: identification of a moral dilemma</div> <div>7. Ethical decision making: consideration of possible actions and its consequences for various stakeholders</div> <div>8. Ethical decision making: action and reflection</div> | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written test | 51.0% | 100.0% |
| Recommended reading | Basic literature | <div>1. Gordon Graham, Eight Theories of Ethics, Routledge, London and New York 2004;</div> <div>2. CFA Institute Code of Ethics and Standards of Professional Conduct.</div> <div>3. Standards of Practice Handbook,</div> <div>4. Eleventh Edition Guidance for Standards VII Standards of Practice Handbook,</div> <div>5. Eleventh Edition Boatright J.R. Ethics in Finance any Edition Wiley-Blackwell; 2014</div> <div>6. Asset Manager Code of Conduct,</div> <div>7. CFA Institute statement of Investor's Rights Global Investment Performance standards 2020</div> | |
| | Supplementary literature | 1. ACCA : Ethics and Professional Skills Module | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

Subject card

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|---|--|--|---|-------------------------------------|---|------------|-----|
| Subject name and code | English language 2, PG_00180204 | | | | | | |
| Field of study | English language 2 | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English English: 90% Polish: 10% | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Zespół lektorów języka angielskiego -> Foreign Languages Centre -> Vice-Rector for Education -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | mgr Agnieszka Błaszowska | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 30.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 18.0 | 50 |
| Subject objectives | Developing student's language skills: speaking, reading, writing, listening so that they reflect learner's academic, professional and personal needs, as well as job market requirements | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [FiRL3_U08] The student can speak a foreign language at the B2 level of the Common European Framework of Reference for Languages, specifically in finance and accounting. | | - can prepare typical written compositions in a foreign language on topics related to his/ her field of study - can prepare oral presentations in a foreign language concerning matters related to his/her field of study - has language skills corresponding to the requirements of level B2 of the Common European Framework of Reference for Languages | | [SU1] wypowiedź ustna/rozmowa/ dyskusja [SU2] prezentacja/projekt/referat/ raport [SU3] opracowanie tekstowe/ praca pisemna [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego [SU6] demonstracja umiejętności praktycznych [SU8] obserwacja samodzielnej lub zespołowej pracy studenta | | |

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|--|--|---|-------------------------------|
| Subject contents | I. Language and skills applicable to a specific job environment, in the context of the selected field of study, such as: <ul style="list-style-type: none">• telephoning• meetings• teamwork and team building• business correspondence• presentations• negotiations• recruitment• cross-cultural communication II. ESP and academic language components up to 30% or less of the course contents. III. Revision and consolidation of grammar rules. | | |
| Prerequisites and co-requisites | Suggested foreign language entry level: B1 or higher (according to CEFR) | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written and oral assignments, including student's self-study | 51.0% | 100.0% |
| Recommended reading | Basic literature | <ul style="list-style-type: none">• Dubicka, Iwonna, et al. Business Partner. Pearson, 2018. (levels B1+ to C1)• extra materials shared by the teacher, including those downloadable from cjo.ug.edu.pl/studenci | |
| | Supplementary literature | Internet resources, such as: - dictionaries, e.g. merriam-webster.com , dictionary.cambridge.org , pl.bab.la , diki.pl - TED, TEDed: ted.com , ed.ted.com - Coursera: coursera.org - Khan Academy: khanacademy.org - Web applications | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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Subject card

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|---|--|--|---|-------------------------------------|--|------------|-----|
| Subject name and code | German language 2, PG_00180208 | | | | | | |
| Field of study | German language 2 | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | German German 90% Polish 10% | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Zespół lektorów języków germańskich, romańskich i słowiańskich -> Foreign Languages Centre -> Vice-Rector for Education -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Anna Trynkler-Zalaszevska | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 30.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 18.0 | 50 |
| Subject objectives | Developing student's language skills: speaking, reading, writing, listening so that they reflect learner's academic, professional and personal needs, as well as job market requirements | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [FiRL3_U08] The student can speak a foreign language at the B2 level of the Common European Framework of Reference for Languages, specifically in finance and accounting. | | - can prepare typical written compositions in a foreign language on topics related to his/ her field of study - can prepare oral presentations in a foreign language concerning matters related to his/her field of study - has language skills corresponding to the requirements of level B2 of the Common European Framework of Reference for Languages | | [SU1] wypowiedź ustna/rozmowa/ dyskusja [SU2] prezentacja/projekt/referat/ raport [SU4] test/egzamin - ustny lub pisemny | | |

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|--|---|--|-------------------------------|
| Subject contents | <div>1. Language and skills applicable to a specific job environment, in the context of the selected field of study, such as:</div> <ul style="list-style-type: none">• telephoning• meetings• teamwork and team building• business correspondence• presentations• negotiations• recruitment• cross-cultural communication <div>1. ESP and academic language components up to 30% or less of the course contents.</div> <div>2. Revision and consolidation of grammar rules.</div> <div>3. Any doubts related to the material covered in foreign language classes will also be discussed/ clarified during teacher's office hours for students</div> | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Written and oral assignments, including student's self-study | 51.0% | 100.0% |
| Recommended reading | Basic literature | Grigull, Ingrid, Geschäftliche Begegnungen, Schubert, 2024 | |
| | Supplementary literature | extra materials shared by the teacher | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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Subject card

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|---|---|--|--|-------------------------------------|--|------------|-----|
| Subject name and code | Spanish language 2, PG_00180209 | | | | | | |
| Field of study | Spanish language 2 | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | Spanish Spanish 90% Polish 10% | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Zespół lektorów języków germańskich, romańskich i słowiańskich -> Foreign Languages Centre -> Vice-Rector for Education -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | mgr Oliwia Grzegorzczuk | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 30.0 | 0.0 | 0.0 | 0.0 | 30 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 30 | | 2.0 | | 18.0 | 50 |
| Subject objectives | Developing student's language skills: speaking, reading, writing, listening so that they reflect learner's academic, professional and personal needs, as well as job market requirements. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [FiRL3_U08] The student can speak a foreign language at the B2 level of the Common European Framework of Reference for Languages, specifically in finance and accounting. | | The student is able to use a foreign language at the B2 level of the Common European Framework of Reference for Languages (CEFR) in the field of finance and accounting. | | [SU1] wypowiedź ustna/rozmowa/ dyskusja [SU2] prezentacja/projekt/referat/ raport [SU3] opracowanie tekstowe/ praca pisemna [SU4] test/egzamin - ustny lub pisemny [SU5] realizacja zadania problemowego | | |
| Subject contents | 1. Language and skills applicable to a specific job environment, in the context of the selected field of study, such as: | | | | | | |
| | <ul style="list-style-type: none">• telephoning• meetings• teamwork and team building• business correspondence• presentations• negotiations• recruitment• cross-cultural communication | | | | | | |
| | 2. ESP and academic language components up to 30% or less of the course contents. | | | | | | |
| | 3. Revision and consolidation of grammar rules. | | | | | | |
| | 4. Any doubts related to the material covered in foreign language classes will also be discussed / clarified during teachers office hours for students. | | | | | | |

| | | | |
|---------------------------------|--|--|-------------------------------|
| Prerequisites and co-requisites | Suggested foreign language entry level: B1 or higher (according to CEFR) | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | attendance | 51.0% | 15.0% |
| | active class participation | 51.0% | 10.0% |
| | home assignments | 51.0% | 10.0% |
| | tests/presentations/writings | 51.0% | 65.0% |
| Recommended reading | Basic literature | Tano, Marcelo Rubén, "Expertos Libro y Cuaderno digitales B2", Difusión, 2016. | |
| | Supplementary literature | "EMPRESA SIGLO XXI - LIBRO DEL ALUMNO" B2-C1, Edinumen, 2009. "Nuevo Espanol en marcha" , SGEL, 2019. Arriba, Editnos, 2018. Aula Internacional, Difusión, 2017. C. Romero Dueñas, Competencia gramatical en uso", Edelsa, 2015. Extra materials shared by the teacher. | |
| | eResources addresses | | |
| | Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | | |

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Subject card

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|---|---|--|---|-------------------------------------|------------------------|------------|-----|
| Subject name and code | Energy Security and the Green Transition , PG_00179736 | | | | | | |
| Field of study | Energy Security and the Green Transition | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English english | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Department of Investment and Real Estate -> Faculty of Management -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Aleksandra Koszarek-Cyra | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 15 | | 1.0 | | 34.0 | 50 |
| Subject objectives | The aim of the course is to provide students with a comprehensive understanding of energy security in the context of the global energy transition and the shift toward a low-carbon economy . | | | | | | |

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|--|--|---|--|
| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [ZSSML3_W01] The student as advanced knowledge in the discipline of management and quality sciences and understands its interrelationship with other social sciences. | The student has advanced knowledge in the field of management and quality sciences in the context of the challenges of the green transition and understands the interrelations of this discipline with other social sciences. | [SW4] test/egzamin - ustny lub pisemny |
| | [IiEL3_W01] The student knows and understands to an advanced degree the nature and evolution of theories in management, quality sciences, economics, and finance, along with their place in the social sciences system —especially in applying informatics or statistics tools. | The student has an advanced knowledge and understanding of economic and financial theories related to energy security and the green transition and can apply information or statistical methods and tools to their analysis. | [SW4] test/egzamin - ustny lub pisemny |
| | [FiRL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality, economics, and finance theories and their place in the social sciences system, particularly from the perspectives of finance and accounting. | The student has an advanced knowledge and understanding of economic and financial theories related to energy security and the green transition and is able to explain their place within the system of social sciences – particularly from the perspective of finance and accounting. | [SW4] test/egzamin - ustny lub pisemny |
| | [ZARZL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality sciences, economics, and finance theories, along with their place in the social sciences system — particularly their relevance to business decision-making. | The student has an advanced knowledge and understanding of management, economic, and financial theories in the context of energy security and the green transition and can apply them in business decision-making processes. | [SW4] test/egzamin - ustny lub pisemny |
| | [ZISZL3_W01] The student has advanced knowledge of the discipline of management and quality sciences and understands its interrelationships with other social sciences. | The student has advanced knowledge in the field of management and quality sciences with regard to energy security strategies and understands the relationships of this discipline with other social sciences. | [SW4] test/egzamin - ustny lub pisemny |
| Subject contents | 1. Introduction to Energy Security 2. The Global Context of the Energy Transition 3. Technological Innovation and Infrastructure 4. Cybersecurity and System Resilience 5. Social and Ethical Dimensions of the Transition | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | test | 51.0% | 100.0% |
| Recommended reading | Basic literature | 1. International Energy Agency (IEA). (2023). <i>Electricity Grids and Secure Energy Transitions</i>. Paris: OECD Publishing. 2. International Renewable Energy Agency (IRENA). (2023). World Energy Transitions Outlook 2023: 1.5°C Pathway. Abu Dhabi: IRENA. | |
| | Supplementary literature | 1. European Commission. (2023). REPowerEU Plan: The Path to Energy Security and Green Transition. Brussels: European Commission. 2. United Nations Economic Commission for Europe (UNECE). (2021). Pathways to Sustainable Energy: Accelerating Energy Transition in the UNECE Region. Geneva: United Nations. | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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Subject card

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|---|--|--|---|-------------------------------------|------------------------|------------|-----|
| Subject name and code | Business Outcomes of Big Data Analysis, PG_00179995 | | | | | | |
| Field of study | Business Outcomes of Big Data Analysis | | | | | | |
| Date of commencement of studies | October 2025 | | Academic year of realisation of subject | | 2025/2026 | | |
| Education level | Bachelor's studies | | Subject group | | Optional subject group | | |
| Mode of study | full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Jacek Maślankowski | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 15.0 | 0.0 | 0.0 | 0.0 | 0.0 | 15 |
| | E-learning hours included: 0.0 | | | | | | |
| Learning activity and number of study hours | Learning activity | Participation in didactic classes included in study plan | | Participation in consultation hours | | Self-study | SUM |
| | Number of study hours | 15 | | 1.0 | | 34.0 | 50 |
| Subject objectives | | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [IiEL3_W01] The student knows and understands to an advanced degree the nature and evolution of theories in management, quality sciences, economics, and finance, along with their place in the social sciences system —especially in applying informatics or statistics tools. | | | | | | |
| | [ZARZL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality sciences, economics, and finance theories, along with their place in the social sciences system — particularly their relevance to business decision-making. | | | | | | |
| | [FiRL3_W01] The student has advanced knowledge and understanding of the nature and evolution of management, quality, economics, and finance theories and their place in the social sciences system, particularly from the perspectives of finance and accounting. | | | | | | |
| Subject contents | | | | | | | |
| Prerequisites and co-requisites | | | | | | | |

| | | | |
|--|--------------------------|-------------------|-------------------------------|
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | | 0.0% | 0.0% |
| Recommended reading | Basic literature | | |
| | Supplementary literature | | |
| | eResources addresses | | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

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