

## Subject card

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|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| Subject name and code                       | Diploma Seminar 1, PG_00178227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Field of study                              | Management                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Date of commencement of studies             | October 2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                          | Academic year of realisation of subject |                                     | 2027/2028                                                                                                                                      |            |     |
| Education level                             | Bachelor's studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                          | Subject group                           |                                     | Obligatory subject group in the field of study<br>Optional subject group<br>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                               | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          | Language of instruction                 |                                     | Polish                                                                                                                                         |            |     |
| Semester of study                           | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                          | 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 hab. Anna Wojewnik-Filipkowska       |                                     |                                                                                                                                                |            |     |
|                                             | Teachers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                          |                                         |                                     |                                                                                                                                                |            |     |
| Lesson types                                | Lesson type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lecture                                                  | Tutorial                                | Laboratory                          | Project                                                                                                                                        | Seminar    | SUM |
|                                             | Number of study hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.0                                                      | 0.0                                     | 0.0                                 | 0.0                                                                                                                                            | 30.0       | 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                                                       |                                         | 4.0                                 |                                                                                                                                                | 16.0       | 50  |
| Subject objectives                          | <p>The aim of the course is to introduce students to the principles of preparing a thesis, familiarize them with the formal, substantive, and methodological principles of its development, and prepare them to write a draft of the first part of the thesis:</p> <p>1. Preparation for defining the thematic scope of the thesis</p> <p>2. Preparation for developing the general structure of the thesis and the thesis plan</p> <p>3. Preparation for collecting and critically analyzing the relevant literature</p> <p>4. Proofreading and preliminary approval of the first part of the thesis, preparing and discussing the draft version of the second part of the thesis</p> |                                                          |                                         |                                     |                                                                                                                                                |            |     |

| Learning outcomes | Course outcome                                                                                                                                                                                                                                                                                                                                                                     | Subject outcome                                                                                                                                                                                                                                                                                    | Method of verification                                                                  |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|                   | [ZARZL3_W05] The student has advanced knowledge and understanding of methods and techniques for acquiring, developing and using data in decision-making and management processes.                                                                                                                                                                                                  | The student defines the principles of substantive and formal preparation for writing a bachelor's thesis and selects the appropriate, basic scientific literature needed to write this thesis in accordance with the selected research problem.                                                    | [SW1] oral statement/<br>conversation/discussion<br>[SW3] text preparation/written work |
|                   | [ZARZL3_U02] The student can identify problems related to the organization's functioning, its processes, and its relations with the environment and propose adequate solutions.                                                                                                                                                                                                    | The student indicates the issues and problems related to the phenomenon being studied that should be included in the structure of his/her bachelor's thesis and identifies how they should be interconnected in the work.                                                                          | [SU1] oral statement/conversation/<br>discussion<br>[SU3] text preparation/written work |
|                   | [ZARZL3_U10] The student can convey information clearly and effectively, presenting their opinions using management and quality sciences terminology across various media.                                                                                                                                                                                                         | The student implements the assumed work plan, and on the basis of the collected material, prepares the content of the work on the basis of literature.                                                                                                                                             | [SU1] oral statement/conversation/<br>discussion<br>[SU3] text preparation/written work |
|                   | [ZARZL3_K01] The student is prepared to acquire the knowledge necessary to tackle cognitive and practical problems, particularly in management and quality sciences. Additionally, the students are ready to assess their current knowledge and the information they receive critically and consult with experts in case they have difficulties solving the problem independently. | The student uses the collected theoretical material to be able to solve the assumed work objective and research problem and is prepared to further deepen knowledge and critically analyze it, being aware of the need to constantly update the sources needed for proper preparation of the work. | [SK1] oral statement/conversation/<br>discussion<br>[SK3] text preparation/written work |
|                   | [ZARZL3_U07] The student can prepare written papers, presentations, and oral speeches on management issues.                                                                                                                                                                                                                                                                        | The student develops a preliminary outline of his/her bachelor's thesis, defining its plan, structure, literature, and main theoretical, methodological and practical assumptions regarding the undertaken research problem.                                                                       | [SU1] oral statement/conversation/<br>discussion<br>[SU3] text preparation/written work |
|                   | [ZARZL3_U01] The student can analyze and interpret social and economic processes and phenomena in the context of business decision-making, using knowledge and tools from management and quality sciences, economics and finance.                                                                                                                                                  | The student identifies, selects and analyzes scientific literature and other sources, as well as economic and market phenomena needed to write a bachelor's thesis.                                                                                                                                | [SU1] oral statement/conversation/<br>discussion<br>[SU3] text preparation/written work |

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| Subject contents                                                                                                                                                                                                                                                                                    | <b>Dr hab. Anna Wojewnik-Filipkowska, prof. UG</b><br>Assessment of the profitability of investment projects, Financial analysis, Public-private partnership on selected examples, Sources of investment financing, Investment projects related to climate protection, Renewable energy sources as a form of investment, Urban revitalization example and assessment of effects, Urban space management in the context of development, Risk management in investments, The role of stakeholders in investment implementation, The importance of ESG in investment decisions, Sustainable urban development theory and practice |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Dr hab. Dariusz Trojanowski, prof. UG</b><br>Analysis and evaluation of investment projects concerning companies, households and local government units; challenges related to investing in real estate, including development projects; alternative investments; personal finance of households; financing investment projects and real estate; real estate valuation; management of commercial and public real estate.                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Krzysztof Kowalke, PhD</b><br>Technical and fundamental analysis in stock market investing, profitability of real estate investments, valuation of shares (multiplier and income methods), stock price factors, cryptocurrency investments, evaluation of alternative investments and investment funds, financial markets analysis, anomalies in financial markets.                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Małgorzata Rymarzak, PhD, Eng.</b><br>Real estate management (universities, enterprises, housing communities, Social Housing Associations, local governments, State Treasury); property rights and tenancy; commercialization of office/commercial space; sustainable real estate development; valuation and market analysis; investment and construction market; profitability assessment; real estate trading.                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Aleksandra Koszarek-Cyra, PhD, Eng.</b><br>Public space management, local sustainable development strategies, SDGs in municipal policy, low-carbon economy, spatial planning and order, revitalization of public/degraded areas, green infrastructure and urban greenery, circular economy, renewable energy, Smart city, social/environmental investments, green financing (bonds, ESG), pro-ecological funds, eco-innovations, energy efficiency, green construction, environmental management.                                                                                                                           |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Ewelina Nawrocka, PhD</b><br>Price and rent dynamics in residential real estate, market fluctuations and business cycle, direct real estate investments, market diversification, real estate professionals (agent, appraiser, manager), house flipping, investment financing, lease and real estate management, property analysis, information sources.                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                        |                               |
|                                                                                                                                                                                                                                                                                                     | <b>Krzysztof Szczepaniak, PhD</b><br>Technical analysis in stock and financial instruments, cryptocurrency investments, investment fund effectiveness, financial effectiveness of investment projects, real estate investment analysis, public-private partnership, financing sources and costs, climate-related projects, renewable energy, risk management, stakeholder roles, ESG in decisions, innovation investments, structural funds.                                                                                                                                                                                   |                                                                                                                                                                                                                                                                        |                               |
| <b>Michał Komorowski, PhD</b><br>Profitability criteria for investment projects, infrastructure investment financing, public management effectiveness, economics of public/private entities, profitability and risk of stock market investments, ESG in infrastructure, public-private partnership. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                        |                               |
| Prerequisites and co-requisites                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                        |                               |
| Assessment methods and criteria                                                                                                                                                                                                                                                                     | Subject passing criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Passing threshold                                                                                                                                                                                                                                                      | Percentage of the final grade |
|                                                                                                                                                                                                                                                                                                     | evaluation and approval of the work plan – general structure, collected literature, prepared preliminary version of the first part of the work; in accordance with the work schedule set by the supervisor                                                                                                                                                                                                                                                                                                                                                                                                                     | 51.0%                                                                                                                                                                                                                                                                  | 100.0%                        |
| Recommended reading                                                                                                                                                                                                                                                                                 | Basic literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Z. Szkutnik, Metodyka pisania pracy dyplomowej, Wydawnictwo Poznańskie, Poznań 2005                                                                                                                                                                                    |                               |
|                                                                                                                                                                                                                                                                                                     | Supplementary literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | -                                                                                                                                                                                                                                                                      |                               |
|                                                                                                                                                                                                                                                                                                     | eResources addresses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Basic<br><a href="https://www.sbc.org.pl/dlibra/publication/edition/10515">https://www.sbc.org.pl/dlibra/publication/edition/10515</a> - <a href="https://www.sbc.org.pl/dlibra/publication/edition/10515">https://www.sbc.org.pl/dlibra/publication/edition/10515</a> |                               |
| Example issues/ example questions/ tasks being completed                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                        |                               |
| Work placement                                                                                                                                                                                                                                                                                      | Not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                        |                               |

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