University of Gdańsk

Subject card

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| Subject name and code | Investment Projects, PG_00178651 | | |
| Field of study | Finance and Accounting | | |
| Date of commencement of studies | October 2026 | Academic year of realisation of subject | 2028/2029 |
| 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 | English |
| Semester of study | 6 | ECTS credits | 5.0 |
| 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 | 30.0 | 15.0 | 0.0 | 0.0 | 60 |
| | E-learning hours included: 0.0 | | | | | | |

| Learning activity and number of study hours | | | | | |
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| | 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 |

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| Subject objectives | The objective of the course is to provide students with comprehensive knowledge of the analysis, evaluation, and financing of investment projects, including their planning stages, financial appraisal, and valuation modeling. Students will develop the skills to apply financial analysis tools, assess investment profitability, and perform project valuation. |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [FiRL3_U10] The student can convey information clearly and effectively, presenting their opinions using finance and accounting terminology across various media. | The student formulates and presents structured financial arguments using proper terminology related to project evaluation, cash flows, and investment decision criteria. | [SU4] test/exam - oral or written<br>[SU5] implementation of a problem task |
| [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 identifies, describe, select, calculate and interprets tools of financial mathematics and capital budgeting to assess the feasibility and financial viability of different investment projects. | [SW4] test/exam - oral or written<br>[SW5] implementation of a problem task |
| [FiRL3_W09] The student with an advanced degree knows and understands the general principles of creating and developing various forms of entrepreneurship using knowledge from management, quality sciences, economics and finance. | The student explains the role and identify the problems of investment planning and project evaluation in supporting entrepreneurship and long-term business growth strategies. | [SW4] test/exam - oral or written<br>[SW5] implementation of a problem task |
| [FiRL3_U11] The student can engage and collaborate in teams, assuming different roles. | The student collaborates effectively in a group to develop, evaluate, and present an investment project concept and its financial justification. | [SU4] test/exam - oral or written<br>[SU5] implementation of a problem task |

## Subject contents

1. Fundamentals of investment decision-making and capital project planning in business finance
2. Key steps and frameworks for investment project analysis, including classification and strategic alignment of capital projects
3. Feasibility studies: structure, assumptions, and integration of real-world operational, technical, and financial factors
4. Financing methods for investment undertakings, including debt vs. equity trade-offs and capital structure optimization
5. Estimating cost of capital and selecting appropriate discount rates for project valuation under different risk scenarios
6. Forecasting financial performance: projecting net income and cash flows as a basis for investment evaluation
7. Application of discounted cash flow techniques, including NPV and IRR, in investment project appraisal
8. Evaluation under constraints: comparing mutually exclusive projects, sequencing, and capital rationing
9. Financial modeling for investment assessment, integrating quantitative techniques with real financial data
10. Use of financial statement analysis to assess investment risk
11. Investments in private capital: equity & debt
12. Real estate & infrastructure

## Prerequisites and co-requisites

The student is familiar with concepts of mathematics for economies, financial mathematics and corporate finance and financial statements. Students should have practical ability to use IT tools in management.

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Project/problem solving 2 | 51.0% | 25.0% |
| Exam | 51.0% | 50.0% |
| Project/problem solving 1 | 51.0% | 25.0% |

## Recommended reading

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| Basic literature | Barringer B.R., 2009, Preparing effective business plans: an entrepreneurial approach, Pearson Prentice Hall<br><br>Brigham E.F., Ehrhardt M.C., 2008, Financial Management: Theory & Practice, Cengage Learnings<br><br>Behrens W., Hawranek P.M., 1991, Manual for the preparation of industrial feasibility studies, UNIDO |

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| | Supplementary literature | Damodaran, A., 2010, The dark side of valuation, Pearson Education<br><br>Damodaran, A., 2011, Applied corporate finance, John Wiley & Sons<br><br>Francis, A., 1996, Business mathematics and statistics, DP Publications<br><br>Millington, A.F., 2009, Property development, WS Bookwell Ltd<br><br>Yescombe, E.R., 2002, Principles of project finance, Academic Press |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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