



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Financing of enterprise [S1IZarz1E>FP]

Course

Field of study

Engineering Management

Year/Semester

3/5

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

English

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other

0

Tutorials

30

Projects/seminars

0

Number of credit points

4,00

Coordinators

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Lecturers

Prerequisites

The student has basic knowledge in the field of microeconomics and finance. Is able to obtain and interpret basic data on the economic situation affecting the financial management of an enterprise. Uses knowledge about the company and its team work skills to solve problems related to its functioning in financial terms.

Course objective

The aim of the course is to familiarize students with the process of controlling the company's finances. Students will develop practical skills related to raising capital for the enterprise and its allocation in the company's assets in order to maximize benefits for owners. The aim of the course is also to develop skills in assessing the financial situation of an enterprise based on the analysis of financial statements and assessment of the effectiveness of material investments.

Course-related learning outcomes

Knowledge:

The student discusses the essence and objectives of corporate financial management, including the economic and non-economic conditions of financial decisions [P6S_WG_01].

The student describes basic tools and techniques of financial management, including the time value of

money and financial statement analysis [P6S_WG_03].

The student characterizes the principles of stock and bond valuation and the management of a company's working capital [P6S_WK_04].

Skills:

The student analyzes the cash flow statement, calculates the cost of capital, and plans the financial activities of a company [P6S_UW_04].

The student assesses sources of business financing and conducts a bankruptcy risk assessment for a company [P6S_UW_04].

The student performs company valuation and evaluates the profitability of investments [P6S_UW_04].

Social competences:

The student prepares and implements business ventures, considering financial analysis and planning [P6S_KO_03].

The student integrates financial knowledge in the managerial decision-making process, considering various economic and financial aspects of a company's operations [P6S_KO_03].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

- a) in the scope of exercises: two tests, project prepared in groups (assessment of investment effectiveness), activity during classes (tasks at the board)
- b) in the scope of lectures: final test checking knowledge of the entire course program

Programme content

1. The essence and goals of enterprise financial management
2. Economic and non-economic conditions of financial decisions.
3. Basic financial management tools and techniques (time value of money)
4. Analysis of financial statements (liquidity, profitability, efficiency ratios)
5. Valuation of shares and bonds
6. Enterprise working capital management
7. Cash flow statement
8. The cost of capital
9. Financial planning
10. Sources of financing business activity
11. Investigation of the threat of company bankruptcy
12. Company valuation
13. Investment profitability assessment

Course topics

1. The essence and objectives of corporate financial management.
2. Economic and non-economic determinants of financial decisions.
3. Basic tools and techniques of financial management (time value of money).
4. Financial statement analysis (analysis of financial statements such as the balance sheet, income statement and cash flow statement to assess a company's financial health, profitability, liquidity and debt).
5. Valuation of shares and bonds.
6. The management of a company's working capital.
7. Cash flow statement
8. Cost of capital (analysis of the cost of raising finance from different sources, such as equity and debt, and methods of calculating the weighted average cost of capital (WACC)).
9. Financial planning
10. Sources of business finance
- 11 Investigating the risk of business failure (techniques and models for assessing the risk of bankruptcy, such as ratio analysis, Altman model).
- 12 Business valuation
13. Evaluating the profitability of an investment (methods of evaluating the profitability of investment projects, such as NPV (Net Present Value), IRR (Internal Rate of Return), payback period and sensitivity analysis).

In tutorials, assignments on

1. Basic financial management tools and techniques (time value of money) 1.
2. Financial statement analysis (analysing financial statements such as the balance sheet, income statement and cash flow statement to assess a company's financial health, profitability, liquidity and debt).
3. Valuation of stocks and bonds.
- 4 Managing a company's working capital.
- 5 Cash flow statement.
- 6 Cost of capital (analysing the cost of raising finance from different sources, such as equity and debt, and methods of calculating the weighted average cost of capital (WACC)).
- 7 Assessing the risk of business failure (techniques and models for assessing the risk of business failure, such as ratio analysis and the Altman model).
8. Assessing the profitability of investments (methods of assessing the profitability of investment projects such as NPV (net present value), IRR (internal rate of return), payback period and sensitivity analysis).

Teaching methods

Lecture: multimedia presentation, talk, discussion

Tutorials: brainstorming, talk, discussion, carrying out tasks in groups

Bibliography

Basic:

1. M. Ciołek, Finanse przedsiębiorstw w przykładach i zadaniach, Warszawa : CeDeWu, 2019.
2. Podstawy zarządzania finansami przedsiębiorstw : instrumenty, metody, przykłady, zadania, Bartkiewicz, P., Borowiec, A. Red., Blanke-Ławniczak, K., Szczepański, M., Politechnika Poznańska. Wydawnictwo Politechniki Poznańskiej, 2016.
3. Rutkowski A., Zarządzanie finansami, PWE, Warszawa, 2016
4. Bień W., Zarządzanie finansami przedsiębiorstw, Difin, Warszawa 2011

Additional:

1. Grzywacz, J., Jagodzińska-Komar, E. Rola innowacji finansowych w zarządzaniu finansami przedsiębiorstwa. Efektywność funkcjonowania regionów i przedsiębiorstw, 85 <https://bc.pollub.pl/Content/13308/efektywnosc.pdf>
2. Dębicka A., Łuczka T., Zarządzanie sytuacją kryzysową w małych i średnich przedsiębiorstwach, Politechnika Poznańska, Poznań 2019
3. Dębicka, A. System wczesnego ostrzegania w zarządzaniu sytuacją kryzysową w małym i średnim przedsiębiorstwie, Ekonomiczne Problemy Usług, 538-547, 2015
4. Ross S.A., Westerfield R.W., Jordan B.D., Finanse przedsiębiorstw, Dom Wydawniczy ABC, Warszawa 1999
5. Ross S. A. Autor, Clacher I.. Autor, Westerfield R., Hillier D., Jordan, B. D., Fundamentals of corporate finance, McGraw-Hill Education, 2017.
6. Gabrusewicz W., Analiza finansowa przedsiębiorstwa, PWE, Warszawa 2014
7. Bojańczyk M., Finanse przedsiębiorstwa, Oficyna Wydawnicza SGH, Warszawa 2012
8. Jerzemowska M., Analiza ekonomiczna w przedsiębiorstwie, PWE, Warszawa 2013.
9. Dębicka, Anna, et al. "Renewable Energy Investments in Poland: Goals, Socio-Economic Benefits, and Development Directions." Energies 17.10 (2024): 2374.

Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,00
Classes requiring direct contact with the teacher	50	2,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	50	2,00