



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Financial planning and capital investment

Course

Field of study

Year/Semester

Engineering management

1/2

Area of study (specialization)

Profile of study

Enterprise resources and process management

general academic

Level of study

Course offered in

Second-cycle studies

Polish

Form of study

Requirements

full-time

compulsory

Number of hours

Lecture

Laboratory classes

Other (e.g. online)

15

Tutorials

Projects/seminars

Number of credit points

1

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

Ph.D., D.Sc., Eng. Arkadiusz Borowiec, University
Professor

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Faculty of Engineering Management

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Prerequisites

Basic knowledge about financial markets.

Course objective

The aim of the course is to provide specific knowledge about financial planning (strategic and operational) and investing the company's financial capital. I

Course-related learning outcomes

Knowledge

The student defines the theoretical and practical aspects of forecasting and planning the financial needs of an enterprise, using knowledge from management science and economic techniques [P7S_WG_04].



The student characterizes how organizational structures affect financial planning and investment decisions, including the relationship between organizational units and investment efficiency [P7S_WG_06].

The student describes methods of obtaining and analyzing market data necessary to assess the profitability of investment projects and their impact on enterprise value [P7S_WG_07].

The student lists and describes the different types and purposes of investments and their impact on the development of entrepreneurship [P7S_WK_03].

Skills

The student analyzes and evaluates various investment options, using the theoretical basis of finance to formulate opinions and make investment decisions [P7S_UW_01].

The student applies financial knowledge to evaluate the time value of money and invest in various capital market instruments [P7S_UW_03].

The student interprets capital and money market trends, evaluating risks and potential returns on various investment instruments [P7S_UW_06].

Social competences

The student integrates knowledge from various fields in financial and investment analysis, preparing to work in financial planning and investment teams [P7S_KK_01].

The student identifies and prioritizes investment opportunities, considering various scenarios and their potential effects on the enterprise [P7S_KK_02].

The student plans and manages investment projects, from analysis to evaluation of investment effectiveness, using knowledge of new technologies and approaches [P7S_KO_01].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Formative (partial) assessment of the lecture - test of the material provided during the first part of the lectures.

Final assessment of the lecture: final test covering the material of all lectures and mandatory literature on the subject.

Programme content

1. Forecasting and planning of the company's financial needs.
2. Planning and assessment of the profitability of investment projects.
3. The concept, types, purpose and determinants of investment. Investors and their types.
4. The value of money over time. Investing in money market instruments.



5. Investing in capital market instruments (shares and subscription rights, bonds, participation units and investment certificates).
6. Investing in derivatives and structured instruments.
7. Invest in real estate. 8. Alternative investments.

Teaching methods

1. Informative lecture.
2. Case method.

Bibliography

Basic

1. Bartkiewicz P., Szczepański M. (red.), Podstawy zarządzania finansami przedsiębiorstwa. instrumenty metody - przykłady - zadania, Wydawnictwo Politechniki Poznańskiej, Poznan 2016. 2.
2. Aleksandra Czupryna-Nowak, Dorota Gawrońska, Rozwijanie potencjału organizacji, Wydawnictwo Politechniki Śląskiej, 2018. 3.
3. Wojciech Naruć, Planowanie finansowe efektywnym narzędziem zarządzania : teoria i praktyka. Wrocław, Wydawnictwo Marina, 2013.
4. Pluta W. , Planowanie finansowe w przedsiębiorstwie” PWE, 2003 r.
5. Dębski W., Teoretyczne i praktyczne aspekty zarządzania finansami przedsiębiorstwa, Wydawnictwo Naukowe PWN, Warszawa 2005.
6. Jajuga K., Jajuga T., Inwestycje, Wyd. PWN, Warszawa 2008.

Additional

1. T. Łuczka (2001). Kapitał obcy w małym i średnim przedsiębiorstwie. Wybrane aspekty mikro- i makroekonomiczne, PWN.
2. W. Kasperkowiak, T. Łuczka (2022), Ryzyko jako determinanta internacjonalizacji mikro, małych i średnich przedsiębiorstw
3. Francis J. C., Inwestycje, Wyd. WIG-Press, Warszawa 2000.
4. C.H. Beck, Warszawa 2009. Pruchnicka-Grabias I. (red.), Inwestycje alternatywne, Wyd. CeDeWu, Warszawa 2008.



Breakdown of average student's workload

	Hours	ECTS
Total workload	25	1,0
Classes requiring direct contact with the teacher	15	0,5
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests, project preparation) ¹	10	0,5

¹ delete or add other activities as appropriate