



COURSE DESCRIPTION CARD - SYLLABUS

Course name

PO 3.3.2 Podstawy finansów - EC 3.3.2 Fundamentals of finance

Course

Field of study

Teleinformatics

Year/Semester

2/3

Area of study (specialization)

Profile of study

general academic

Level of study

second-cycle studies

Course offered in

Polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

15

Laboratory classes

15

Other (e.g. online)

Tutorials

15

Projects/seminars

0/0

Number of credit points

3

Lecturers

Responsible for the course/lecturer:

Responsible for the course/lecturer:

prof. dr hab. Teresa Łuczka
Wydział Inżynierii Zarządzania
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dr inż. Anna Debicka
Wydział Inżynierii Zarządzania
email: anna.debicka@put.poznan.pl

Prerequisites

KNOWLEDGE: The student has a basic knowledge of mathematical analysis. Basic knowledge of logic. He should also be skilled in using spreadsheets.



SKILLS: The student can learn. The student is able to think and argue independently and critically. The student can obtain financial data from the literature, statistical databases.

SOCIAL COMPETENCES: The student can work in a team. The student is able to effectively manage time. The student is able to use the techniques of effective learning.

Course objective

The aim of the course is to provide students with knowledge about finance (including the functioning of the financial system and capital market) and to develop the ability to calculate the value of money in time, the cost of obtaining various types of financial instruments and the ability to assess the profitability of investments in the company.

Course-related learning outcomes

Knowledge

The student has knowledge of the structure and functioning of the financial system.

The student understands the change in the value of money over time.

He knows how to simulate the cost of financing a company with the use of various financial instruments.

He knows the basic financial categories and their mutual relations.

Skills

The student is able to independently reach reliable sources of financial information and independently interpret the data obtained.

Is able to obtain data from foreign databases in English (OECD, World Bank, and Eurostat). He can analyze statistical data.

The student can use ICT tools to solve financial tasks.

Can use various financial formulas in spreadsheets.

Social competences

The student is ready to constantly expand his knowledge in the field of finance acquired at the university with new information available in various sources (professional literature, internet portals devoted to financial issues).

He/She knows how to work in a team by solving financial tasks.

Is aware of the need to follow the rules of cooperation in a team.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes are verified with formative assessments on the basis of tests, presentations, assignments and other activities.

The condition for passing the course is to obtain a positive summary grade from the lecture, exercises and laboratories.

Rating scale: 5.0 (very good), 4.5 (good plus), 4.0 (good), 3.5 (sufficient plus), 3.0 (satisfactory), 2.0 (insufficient).



Programme content

1. Finance as a science, its functions and division.
2. Basic concepts related to the theory of finance.
3. The role and functions of money.
4. Time value of money.
5. Financial market (capital and money).
6. Financial instruments (stocks, bonds, money market instruments, derivatives).
8. Financial system, financial institutions and legal and institutional superstructure.
9. Finance of the company (sources of financing, capital costs).
10. Investment profitability analysis
11. Analysis of the company's financial situation based on financial statements.
12. Tax system (Polish Order)

Teaching methods

1. Information lecture.
2. Exercises (practical classes).
3. Project, laboratory work prepared by students under the supervision of the teacher.

Bibliography

Basic

1. Bartkiewicz P., Szczepański M., Podstawy zarządzania finansami przedsiębiorstw, Wydawnictwo Politechniki Poznańskiej, Poznan 2010.
2. Korenik D., Korenik S., Podstawy finansów, PWN, Warszawa 2010.
3. E. Brigham, Houston, Zarządzanie finansami, PWN, Warszawa 2021, (ISBN: 9788301218096)

Additional

1. A. Dębicka, K. Olejniczak (2020), Znaczenie Otoczenia Biznesu w Zarządzaniu Sytuacją Kryzysową w Małych i Średnich Przedsiębiorstwach, Wybrane problemy nauk o zarządzaniu i jakości, red. Arkadiusz Borowiec, Radom, Polska : Instytut Naukowo-Wydawniczy "Spatium", 2020 - s. 23-39
2. Rutkowski A., Zarządzanie finansami, PWE, Warszawa 2007

Breakdown of average student's workload

	Hours	ECTS
Total workload	86	3.0



	Hours	ECTS
Classes requiring direct contact with the teacher	45	2.0
Student's own work (preparation for tests, preparation for tutorials, preparation for laboratory classes, literature studies)	41	1.0