



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Finances

### Course

Field of study

Management and production engineering

Area of study (specialization)

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Level of study

First-cycle studies

Form of study

part-time

Year/Semester

4/7

Profile of study

general academic

Course offered in

polish

Requirements

compulsory

### Number of hours

Lecture

12

Laboratory classes

Tutorials

12

Projects/seminars

Other (e.g. online)

### Number of credit points

2

### Lecturers

Responsible for the course/lecturer:

Karolina Olejniczak PhD

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Faculty of Engineering Management

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### Prerequisites

The student knows the basic concepts of economics and accounting. Has a general knowledge of the functioning of the economy and its management. The student has the ability to perceive, associate and interpret phenomena occurring in the economy. The student is able to formulate independent assessments in the field of socio-economic policy, argues and defends his opinions. In addition, he understands and is determined to implement pro-effective solutions in the area of financial management.

### Course objective

Understanding the basic mechanisms of the functioning of the financial system in the national economy and its impact on financial decisions made by individual economic entities. In addition, students will be



familiar with the most important problems of financial management of enterprises and the transfer of skills to assess the implementation of economic goals of economic entities and their sources of financing.

### Course-related learning outcomes

#### Knowledge

1. Student knows the basics of monetary policy - [K\_W21]
2. The student knows the basic concepts of fiscal policy - [K\_W21]
3. Practical and theoretical knowledge in the field of the value of money in time and methods of valuation of economic projects - [K\_W21]
4. Knowledge of the basic tools of financial analysis and sources of financing the company - [K\_W22]
5. Can plan financial needs - [K\_W22]

#### Skills

1. Has the ability to perceive, associate and interpret phenomena occurring in the economy in the field of finance, including their impact on the volatility of interest rates - [K\_U18]
2. Has the ability to find the necessary information regarding finances in the macro scale for efficient management of the enterprise - [K\_U18]
3. Ability to finance the company's current and investment activities and to construct financial plans - [K\_U32]
4. Can identify problem areas in the enterprise - [K\_U31]
5. Can assess the effectiveness of the enterprise and implemented projects - [K\_U32]

#### Social competences

1. The student is aware of the impact of fiscal and monetary policies and financial markets on the functioning of individuals and enterprises - [K\_K11]
2. Can communicate effectively in the field of finance and various policies implemented by the state - [K\_K11]
3. Is prepared for conscious and responsible financial management in the enterprise - [K\_K11]
4. Can independently develop knowledge in solving financial problems - [K\_K11]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

#### LECTURE:

- formative assessment: discussions summarizing individual lectures, giving the opportunity to assess the student's understanding of the issues, implementation of tasks on the e-MoodlePP platform



- final grade: written test

#### EXERCISES:

- formative assessment: discussions summarizing individual classes, giving the opportunity to assess the understanding of the subject by the student, implementation of tasks on the e-MoodlePP platform
- summative assessment: written test or assessment based on partial grades

#### Programme content

##### 1. Money and banking sector

- Central bank and its functions
- Monetary policy and its instruments
- Commercial banks and their functions

##### 2. Fiscal policy and tax system

- The scope of public finances
- Basic data on the budgets of local government units and other public institutions
- Characteristics of the tax system, identification of the most significant fiscal burdens from the point of view of enterprises

##### 3. Corporate finance

- The concept of corporate finance
- Purpose of financial management in the company
- Sources of financing for enterprises
- Structure of financial statements

##### 4. Ratio analysis

- Methods of analysis
- Analysis of liquidity, operational efficiency, debt and profitability

##### 5. Time value of money

- Interest rates
- Future value
- Present value



- Annuity

## 6. Methods of valuation of economic projects

- Flow valuation

- The issue of the cost of capital

- Discount valuation methods

### Teaching methods

LECTURE: seminar lecture, interactive discussion, e-learning

EXERCISES: task performance, project method, interactive discussion, e-learning

### Bibliography

Basic

1. K. Marecki, Podstawy finansów, PWE, 2008

2. A. Rutkowski, Zarządzanie finansami, PWE, Warszawa 2007.

3. P. Bartkiewicz, M. Szczepański, Podstawy zarządzania finansami przedsiębiorstw, Wyd. Politechniki Poznańskiej, Poznań, 2010

4. T. Łuczka, Kapitał obcy w małym i średnim przedsiębiorstwie. Wybrane aspekty mikro- i makroekonomiczne, PWN, 2001

Additional

1. D. Korenik, S. Korenik, Podstawy finansów, PWN, 2004

2. M. Hamrol (red.), Analiza finansowa przedsiębiorstwa, ujęcie sytuacyjne, Wyd. AE, Poznań 2005

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	24	1,0
Student's own work (literature studies, preparation for tutorials, preparation for tests/ project preparation) <sup>1</sup>	26	1,0

<sup>1</sup> delete or add other activities as appropriate