



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Financial Accounting

### Course

Field of study

Engineering Management

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

Year/Semester

2/4

Profile of study

general academic

Course offered in

English

Requirements

compulsory

### Number of hours

Lecture

15

Tutorials

Laboratory classes

30

Projects/seminars

Other (e.g. online)

### Number of credit points

4

### Lecturers

Responsible for the course/lecturer:

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Responsible for the course/lecturer:

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### Prerequisites

Knowledge:



The student has basic knowledge of microeconomics, management and financial accounting.

**Skills:**

The student is able to book simple business operations, prepare a balance sheet and profit and loss account. Is able to assess the financial situation of an enterprise. Has the ability to obtain information from cached sources.

**Social competences:**

The student is able to see the problems and causal relationships affecting the financial condition of business units.

**Course objective**

To acquaint students with in-depth issues of financial accounting, preparation for business operations, learning the basic functions of selected software.

**Course-related learning outcomes**

**Knowledge**

The student classifies and interprets legal norms related to establishing a business and analyzes their impact on the structure and functioning of organizations [P6S\_WG\_02].

The student explains methods and tools for collecting, processing, selecting, and distributing financial information, with emphasis on the recording of fixed assets and the methodology of product valuation [P6S\_WG\_08].

The student describes the principles of accounting and financial reporting, including the preparation of opening and closing balances and ratio analysis [P6S\_WG\_18].

The student explains basic concepts of financial management and economic analysis, focusing on revenue and cost forecasting and the calculation of product manufacturing costs [P6S\_WK\_02].

The student identifies and analyzes general principles of creating and developing forms of entrepreneurship, focusing on the financial and accounting aspects necessary for conducting business activities [P6S\_WK\_04].

**Skills**

The student applies analytical skills to study socio-economic processes and phenomena, demonstrated by analyzing financial statements and cash flow forecasting [P6S\_UW\_01].

The student uses accounting knowledge to assess and solve ethical and managerial problems, illustrated by examples related to the recording and settlement of salaries and depreciation of fixed assets [P6S\_UW\_03].

The student performs an economic analysis of engineering activities, focusing on financial aspects, such as calculating the unit cost of product manufacturing and determining financial results [P6S\_UW\_12].



### Social competences

The student analyzes cause-and-effect relationships in achieving financial goals, demonstrated by planning resources and managing cash flows [P6S\_KK\_02].

The student utilizes financial and organizational knowledge in developing business projects, considering legal and economic aspects of business activities [P6S\_KO\_01].

The student demonstrates an understanding of the comprehensive requirements of creating products and services, combining technical knowledge with economic, marketing, and financial planning in the business process [P6S\_KO\_02].

The student plans and implements business ventures, applying acquired competencies in financial accounting and economic analysis [P6S\_KO\_03].

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Laboratories: ongoing control of the implementation of partial tasks, summary evaluation on the basis of the developed project of establishment and conduct of business and knowledge of the functionality of the accounting program. The pass threshold min. 50% points

Lecture: written exam in the form of a test and several accounting tasks differently scored depending on the degree of their difficulty. The threshold for passing min. 50% points. The topics on the basis of which questions and tasks are developed are presented in recent classes.

### Programme content

lecture:

Setting up a business. Fixed assets – records and settlement. Subject matter and scope of financial reporting. Financial statements. Indicator analysis. Organization of accounts. Methods for valuing the output of sold products. Break-even point in single- and large-volume production

Laboratories:

Familiarize yourself with CEiDG. Registration of the economic activity of a natural person. Determination of capital expenditure necessary to start a business (resource planning). Drawing up the opening balance sheet. Revenue and cost forecasting, calculation of unit cost of manufacturing products. Book of receipts and outs, inventory by nature. FA and WNIP depreciation. Settlement and compensation records. Determination of profit or loss (profit and loss account), preparation of closing balance sheet and planning of cash flows. Keeping accounting records using a computer program.

### Teaching methods

Informational lecture, problem with multimedia presentation, illustrated with examples, training media, discussion.



Laboratories: multimedia presentation illustrated with examples, instructions for the implementation of individual parts of the project.

## Bibliography

### Basic

1. Józef Aleszczyk, Rachunkowość finansowa od podstaw, Wydawnictwo Zysk i s-ka, Poznań, 2016
2. Teresa Kiziukiewicz, Kazimierz Sawicki, Rachunkowość mikro i małych przedsiębiorstw, PWE, Warszawa 2016
3. Dyduch Alina, Sierpińska Maria, Wilimowska Zofia, Finanse i rachunkowość, PWE, Warszawa 2013
4. Ustawa o rachunkowości z dn. 29 września 1994 r. (Dz. U. z 2013., poz. 330)

### Additional

1. Bień Witold, Czytanie bilansu przedsiębiorstwa, Wydawnictwo Difin, Warszawa 2010
2. Mantura Władysław, Elementy rachunkowości dla menedżerów, Wyd. Politechniki Poznańskiej, Poznań 2004
3. Mantura Władysław, Bondarowska Karolina, Branowski Mariusz (i in.), Rachunkowość zarządcza. Wprowadzanie, Wyd. Politechniki Poznańskiej, Poznań 2010
4. Bławat F., Drajska E., Figura P., Gawrycka M., Korol T., Prusak B., Analiza finansowa przedsiębiorstwa Cz. 1., Ocena sprawozdań finansowych, analiza wskaźnikowa, Wydawnictwo CeDeWu 2021,

## Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	45	1,5
Student's own work (literature studies, preparation for laboratory classes, project preparation, preparation for exam) <sup>1</sup>	55	2,5

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