



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Financial Accounting [S1IZarz1E>RF2]

Course

Field of study

Engineering Management

Year/Semester

2/4

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

30

Other

0

Tutorials

0

Projects/seminars

0

Number of credit points

4,00

Coordinators

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Lecturers

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:

1. Running a business.
2. Organization of accounting.
3. Records of fixed and current assets.
4. Subject and scope of financial reporting. Financial Statements. Ratio analysis. Organization of accounting.
5. Valuation of product consumption.
6. Break-even point.

Laboratories:

1. Getting to know CEiDG.
2. Application for entry into CEiDG.
3. Estimating expenditures, determining sources of financing.
4. Commercial offer.
5. Forecasting revenues, production and running costs.
6. Determining the financial result and closing balance sheet.
7. Maintaining accounting records using a computer program.

Course topics

Lecture

1. Organizational and legal forms of business activity. Unregistered activity. VAT exemption. The choice of the form of taxation and its impact on the financial result.
2. Keeping a book of revenues and expenses, accounting books.
3. Records of property, plant and equipment, intangible assets, monetary assets, materials and goods.
4. Elements of financial statements. Balance sheet analysis, profit and loss account analysis, cash flow analysis. Ratio analysis.
5. Average cost method, FIFO, LIFO method - analysis of their impact on the financial result and inventory.
6. Analysis of the break-even point in single- and large-range production.

Laboratories

Registration of a natural person's business activity with CEiDG. Determining the investment outlays necessary to start a business (resource planning). Preparation of the opening balance. Forecasting revenues and costs, calculating the unit cost of producing products. Ledger. Depreciation of ŚT and WNIP. Settlement and records of remuneration. Determining the financial result (profit and loss account), preparing the closing balance sheet and planning cash flows. Assessment of the efficiency of running a business.

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 Zys 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., Drajka 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	4,00
Classes requiring direct contact with the teacher	45	1,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	55	2,50