



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Economy with components of accounting [S1IBio1>EzER]

### Course

Field of study

Biomedical Engineering

Year/Semester

4/7

Area of study (specialization)

–

Profile of study

general academic

Level of study

first-cycle

Course offered in

Polish

Form of study

full-time

Requirements

elective

### Number of hours

Lecture

30

Laboratory classes

0

Other

0

Tutorials

0

Projects/seminars

0

### Number of credit points

2,00

### Coordinators

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### Lecturers

### Prerequisites

The student starting this subject should have a basic knowledge of entrepreneurship and use the basic terms acquired during their study. He should also be able to obtain information from specified sources and assess media information. In addition, he should be ready and able to cooperate in a group.

### Course objective

Students learn theoretical and practical knowledge of the basic principles of the functioning of the market economy and the basics of financial accounting. The aim of the course is also to develop students' skills to analyze the course of economic processes taking place in the enterprise.

### Course-related learning outcomes

Knowledge:

The student has the general knowledge necessary to understand the economic determinants of engineering activities.

The student has basic knowledge regarding management and conducting business activities.

The student has knowledge of the principles of creating and developing forms of individual entrepreneurship associated with the studied field of

### Skills:

The student works individually and cooperates effectively in the team.

The student has the ability to self-study.

### Social competences:

The student understands the need for further training and raising their professional and personal competence

The student is able to interact and work in a group, assuming different roles in it

The student is able to think and act in an entrepreneurial manner

## Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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1. Written exam (on a satisfactory grade must get more than 50% correct answers)
2. Case studies and discussions based on scientific literature at lectures, which give lecture participants the opportunity to obtain additional points added to the points obtained from the written test in order to give the final grade of the lecture.
4. Discussions summarizing individual lectures, giving the opportunity to assess the student's understanding of the issues.

## Programme content

1. Basic economic concepts
2. The role of the business and the consumer in a market economy.
3. Basic market structures
4. Evaluation of the efficiency of the market economy.
6. The role of the state in a market economy.
7. Basic problems in a market economy
8. Fundamentals of financial accounting

## Course topics

1. Market, demand, supply.
2. The enterprise and its functions in the economy.
3. The economic decisions of the consumer, The consumer optimum. Consumption trends
4. Monopoly, perfect competition, oligopoly and monopolistic competition - basic features
5. GDP and other measures of the efficiency of the national economy
6. The role of money and monetary policy
7. The state budget
8. Inflation and unemployment
9. Internationalization and globalization of the economy and enterprises
10. Records of economic operations
11. Depreciation methods
12. Financial statements and financial indicators
13. Basic instruments of financing enterprises
14. Methods of financial evaluation of the enterprise

## Teaching methods

1. Lecture: traditional lecture using multimedia presentations, problem lecture - discussion with students on solving a given problem, conversational lecture - drawing listeners into the discussion, controlling the course of the lecture depending on the answers given.
2. Case studies.

## Bibliography

Basic

Podstawy ekonomii, red. R. Milewski, E. Kwiatkowski, PWN, Warszawa 2018

Borowiec A., Brzęczek T., Mikroekonomia, Wyd. Politechnika Poznańska, Poznań 2011

Nowak E., Rachunkowość : kurs podstawowy, PWE, Warszawa 2016

Podstawy zarządzania finansami przedsiębiorstw: instrumenty, metody, przykłady, zadania, red. P. Bartkiewicz, M. Szczepański, Wydawnictwo PP 2016.

Additional

M. Rekowski, Mikroekonomia, Wyd. Contact, Poznań 2015

P. A. Samuelson, W. D. Nordhaus, Ekonomia, Wyd. Dom Wydawniczy REBIS, Poznań 2012

Rachunkowość i analiza finansowa dla inżynierów, red. B. Nadolna, Difin, Warszawa 2012

Ekonomika przedsiębiorstw, Engelhardt J (red), CeDeWu, Warszawa 2017

### Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	30	1,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	20	1,00