



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Economics with accounting principles [N1Mech2>EzER]

### Course

Field of study  
Mechatronics

Year/Semester  
4/8

Area of study (specialization)  
–

Profile of study  
general academic

Level of study  
first-cycle

Course offered in  
Polish

Form of study  
part-time

Requirements  
compulsory

### Number of hours

Lecture  
16

Laboratory classes  
0

Other  
0

Tutorials  
0

Projects/seminars  
0

### Number of credit points

2,00

### Coordinators

### 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 in this course learn the theoretical and practical knowledge of how a market economy works and the basics of financial accounting. The goal of the economics course is to understand how consumers, businesses, governments and international organisations make decisions regarding the allocation of scarce resources to meet their needs. Students acquire knowledge of basic economic principles and market mechanisms (understanding concepts such as demand, supply, market equilibrium, inflation, unemployment, GDP), the role of the state in the economy and existing economic problems (economic crises, social inequalities, globalisation or climate change). The aim of the course in accounting is to familiarise students with the principles of recording, analysing and interpreting financial data, which are essential for making rational economic decisions.

### Course-related learning outcomes

Knowledge:

Student has basic knowledge of economic concepts and principles and conditions of development of

contemporary market economy and enterprises.

The student has knowledge of the basic factors influencing the decisions of consumers and producers and public administration representatives in a market economy.

The student has knowledge of basic principles of financial accounting.

**Skills:**

The student is able to make a general interpretation of economic data and understand processes taking place in the market economy.

The student is able to make a preliminary analysis of the financial data of an enterprise and take rational decisions in business activity on the basis of it.

**Social competences:**

The student understands the need for further education and improvement of his/her professional and personal competences.

The student is able to cooperate and work in a group, taking various roles in it.

The student is able to think and act in an entrepreneurial way.

### **Methods for verifying learning outcomes and assessment criteria**

Learning outcomes presented above are verified as follows:

1. Written test to pass the lectures (more than 50% of the correct answers must be obtained for a satisfactory grade).
2. Case studies and discussions based on scientific literature
3. Problem exercises performed in class and as part of their own work outside the class, which provide an opportunity for the lecture participants to gain credit as an alternative to the written assessment for the final grade in the lecture.

### **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.
5. The role of the state in a market economy.
6. Basic problems in a market economy
7. 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:

1. Milewski R., Kwiatkowski E. (red.), Podstawy ekonomii, PWN, Warszawa 2023
2. Borowiec A., Brzęczek T., Mikroekonomia, Wyd. Politechnika Poznańska, Poznań 2011
3. Nowak E., Rachunkowość: kurs podstawowy, PWE, Warszawa 2016
4. Bartkiewicz P., Szczepański M. (red.), Podstawy zarządzania finansami przedsiębiorstw: instrumenty, metody, przykłady, zadania, Wydawnictwo PP 2016.

### Additional:

1. Rekowski M., Mikroekonomia, Wyd. Contact, Poznań 2015
2. Samuelson P. A. , Nordhaus W. D., Ekonomia, Wyd. Dom Wydawniczy REBIS, Poznań 2012
3. Nadolna B. (red.), Rachunkowość i analiza finansowa dla inżynierów, Wydawnictwo Difin, Warszawa 2012
4. Engelhardt J. (red.), Ekonomika przedsiębiorstw, Wydawnictwo CeDeWu, Warszawa 2017.
5. Rembiasz, M., Siemieniak, P., Pawlak, J. (2017). Wybrane źródła finansowania działalności gospodarczej w ocenie obecnych i potencjalnych właścicieli przedsiębiorstw ze szczególnym uwzględnieniem kobiet-przedsiębiorców. Przedsiębiorczość i Zarządzanie, 12.2, 333-344.

## Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,00
Classes requiring direct contact with the teacher	16	0,50
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	34	1,50