



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Economics

Field of study

Safety Engineering

Area of study (specialization)

Level of study

First-cycle studies

Form of study

full-time

### Course

Year/Semester

1/1

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

Lecture

15

Tutorials

30

### Number of credit points

4

Laboratory classes

Projects/seminars

### Number of hours

Other (e.g. online)

Responsible for the course/lecturer:

Ph.D., D.Sc. Marek Szczepański, University  
Professor

Mail to: [marek.szczepanski@put.poznan.pl](mailto:marek.szczepanski@put.poznan.pl)

Phone: 61 665 3393

Faculty of Engineering Management

ul. J Rychlewskiego 2, 60-965 Poznań

Responsible for the course/lecturer:

Ph.D., Krzysztof Kołodziejczyk

Mail to: [krzysztof.kolodziejczyk@put.poznan.pl](mailto:krzysztof.kolodziejczyk@put.poznan.pl)

Phone: 61 665 3390

Faculty of Engineering Management

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### Lecturers

### Prerequisites

Knowledge: basics of knowledge in mathematics, basics of entrepreneurship.

Skills: Student uses correctly the basic terms acquired during entrepreneurship learning, is able to assess media information.

Social competences: Student is active and willing to undertake entrepreneurial activities, has the ability to cooperate in a group.

### Course objective

Transfer of knowledge about the basic concepts of economic theory. Explanation of the principles of the



market mechanism. To familiarize students with the basic tools of economic analysis. Acquisition by students of the ability to make independent decisions from the consumer and producer point of view. Transfer of knowledge about the main macroeconomic policies of the state.

### Course-related learning outcomes

#### Knowledge

1. The student knows the basic concepts and principles of market functioning and market economy. [P6S\_WG\_08]
2. Student knows the relationship between microeconomic and macroeconomic phenomena. [P6S\_WG\_08]
3. The student has knowledge about the analysis of costs in the short and long term. [P6S\_WG\_08]
4. The student has knowledge about the specifics of the functioning of enterprises in various competitive structures. [P6S\_WG\_08]
5. The student knows the impact of economic factors on the security of institutions and management processes. [P6S\_WG\_08]
6. The student has knowledge about the relationship between cause and effect economic phenomena. [P6S\_WG\_08]

#### Skills

1. Student is able to analyze and evaluate market phenomena and processes. [P6S\_UW\_06]
2. Student is able to estimate and interpret selected economic indicators, including for productivity and the costs incurred by the producer. [P6S\_UW\_04]
3. Student is able to formulate and solve management tasks based on selected economic indicators. [P6S\_UW\_04]
4. Student is able to use economic factors to improve management processes. [P6S\_UW\_04]
5. Student is able to assess the factors of economic growth and explain the importance of fiscal and monetary policy for development. [P6S\_UW\_06]
6. The student is able to interpret measures and macroeconomic indicators enabling decision making. [P6S\_UW\_04]
7. The student is able to estimate the extent of the Polish economy's failure to adapt to the EU (innovation, competitiveness, effects gap). [P6S\_UW\_04]

#### Social competences

1. The student is aware of the changing economic conditions and the need for continuous self-improvement in the field of knowledge of economic knowledge. [P6S\_KK\_02]



2. The student is aware of the impact of economic aspects and factors on the decisions taken and on the effectiveness of solving management problems. [P6S\_KK\_03]

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Assessment of knowledge and skills demonstrated in colloquia and in the written exam (open and closed questions)
2. Assessment of tasks completed at home
3. Formulating your own opinions (discussions).

Methods 1-3 - used for the evaluation of the outcomes of both lectures and tutorials (exercises).

### Programme content

1. Subject of economics. The opportunity cost. Positive and normative economics. Main trends of economics.
2. Market and market economy. Market equilibrium and imbalance.
3. Elasticity of demand and supply in theory and in practice.
4. Behavior of the organization on the market.
5. Enterprise. Its functions and goals in the economy.
6. Economic rent.
7. Analysis of productivity and costs in the short and long term. Market organization balance.
8. The role of the state in a market economy. Disadvantages of the market and disadvantages of the state.
9. Assessment of market economy efficiency.
10. Economic growth and development in theory and practice.
11. The role of money and monetary policy.
12. State budget and fiscal policy.
13. International economic integration
14. Macroeconomic development disparities in the contemporary world economy.

### Teaching methods

Informative lecture with elements of problem lecture. Use of mindmapping method. Case study method and brainstorming.



Exercise method (application of acquired knowledge in practice - calculation of tasks). Seminar discussion.

### Bibliography

#### Basic

1. Borowiec A., Brzęczek T., Mikroekonomia, Wyd. Politechnika Poznańska, Poznań 2011.
2. Czarny B., Podstawy ekonomii, Polskie Wydawnictwo Ekonomiczne, Warszawa 2011.
3. Gajowiak M., Makroświat. Podręcznik z zadaniami do makroekonomii, Wydawnictwo Politechniki Poznańskiej, Poznań 2013.
4. Krugman P., Wells R., Mikroekonomia, Wyd. Naukowe PWN, Warszawa 2020.
5. Krugman P., Wells R., Makroekonomia, Wyd. Naukowe PWN, Warszawa 2020.
6. Rekowski M., Mikroekonomia, Wyd. Akademia, Poznań 2005
7. Skawińska E., Sobiech-Grabka K.G., Wstęp do Makroekonomii, Wyd. Politechniki Poznańskiej, Poznań 2010.

#### Additional

1. Dach Z., Mikroekonomia dla studiów licencjackich, Wyd. Naukowe Synaba, Kraków 2007.
2. Klimczak B., Mikroekonomia, Wyd. Akademii Ekonomicznej we Wrocławiu, Wrocław 2006.
3. Mankiw G.N., Taylor M.P., Makroekonomia, PWE, Warszawa 2009.
4. Rogall H., Ekonomia zrównoważonego rozwoju. Teoria i praktyka, Wyd. Zys i S-ka, Poznań 2010
5. Sloman J., Economics, FT Prentice Hall, London, 2003.

### Breakdown of average student's workload

	Hours	ECTS
Total workload	100	4,0
Classes requiring direct contact with the teacher	50	2,0
Student's own work (literature studies, preparation for tutorials, preparation for tests/exam, e-learning tasks) <sup>1</sup>	50	2,0

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