



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Fundamentals of economy [S1MiBP1>PE]

Course

Field of study

Mechanical and Automotive Engineering

Year/Semester

1/1

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

prof. dr hab. Agnieszka Merkisz-Guranowska
agnieszka.merkisz-guranowska@put.poznan.pl

Lecturers

Prerequisites

Student has a basic knowledge of economic relations that occur in the environment. Student is able to associate and integrate the information, analyze the phenomena occurring in the environment, draw conclusions, formulate and justify opinions, do literature research. Social competences: student is aware of the social importance of economic development and running a business.

Course objective

Understanding the basics of micro-and macroeconomics with particular emphasis on corporate behavior and interrelationships in the national economy.

Course-related learning outcomes

Knowledge:

Has knowledge in the field of mathematics, including algebra, analysis, theory of differential equations, probability, analytical geometry necessary to: describe the operation of discrete mechanical systems, understand computer graphics methods, describe the operation of electrical and mechatronic systems. Has elementary knowledge of the life cycle of machinery, recycling of machine elements and construction and consumables.

Has elementary knowledge of the economics and economics of industrial enterprises, banking system, commercial law, and entrepreneurial accounting.

Skills:

Can obtain information from literature, the Internet, databases and other sources. Can integrate the obtained information, interpret and draw conclusions from it, and create and justify opinions.
Can use computer office packages for editing technical texts, including formulas and tables, technical and economic calculations using a spreadsheet and running a simple relational database.
Can interact with other people as part of teamwork (also of an interdisciplinary nature).

Social competences:

Is ready to fulfill social obligations and co-organize activities for the benefit of the social environment.
Is willing to think and act in an entrepreneurial manner.
Is ready to fulfill professional roles responsibly, including:
- observing the rules of professional ethics and requiring this from others,
- caring for the achievements and traditions of the profession.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:

Discussion and active participations in lectures.

Written test with possible additional open questions.

Programme content

Basic concepts of economics and the market. Characteristics of economic systems and economic indicators.

Challenges of modern economy.

Instruments of influencing the economy.

Course topics

1. Basic concepts. Subject and scope of economy.
2. Market mechanism.
3. Theory of buyer behavior. Categories of demand.
4. Theory of production optimization. Features and types of business entities.
5. Economic systems Part 1. Liberalism in the economy. Market models.
6. Economic systems part 2. Centrally planned economy. Etatism in the economy. Characteristics and mechanism of the centrally planned economy.
7. Economic indicators.
8. Economic growth and barriers to growth.
9. Challenges of the modern economy - sustainable development.
10. Economic cycle.
11. Role of the state in the economic development.
12. Budget policy and public debt.
13. International trade and globalization.

Teaching methods

Lecture with multimedia presentation

Bibliography

Basic

Begg D., Vernasca G., Fischer S., Dornbusch R., Economics, McGraw-Hill Education, 2014

Additional

Samuelson P., Nordhaus W., Economics, McGraw-Hill Education, 2010

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