COURSE DESCRIPTION CARD - SYLLABUS

Course name
Economics [S1MiKC1E>EKON]

Course

Field of study
Microelectronics and Digital Communication

Year/Semester
4/7

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
0

Other
0

Tutorials
0

Projects/seminars
15

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

Knowledge of mathematical issues at the secondary school level (high school or technical school).

Course objective

To present students with basic economic theories and general knowledge about the principles of operation of modern economic systems and economic entities. XD

Course-related learning outcomes

Knowledge:
1. Student knows basic micro- and macroeconomic concepts - [K_W15].
2. Student understands the principles of running a business - [K_W15].
3. Student has knowledge of the fundamental dilemmas of the modern economy and the economic importance of new technologies - [K_W17].

Skills:
1. Student is able to obtain and analyze economic information from literature, databases and other sources in Polish and English. The student is able to integrate and interpret the obtained information, draw conclusions and justify opinions - [K_U01].
2. Student is able to effectively organize individual and team work and cooperate in a group - [K_U02].
3. Student is able to analyze the challenges and economic threats resulting from the development of information and communication technologies - [K_U17].
4. Student is able to independently plan and implement the self-education process - [K_U18].

Social competences:
1. Student knows the limitations of one's own knowledge and skills, understands the need for further education - [K_K01].
2. Student is able to formulate opinions on the basic economic challenges facing modern electronics and telecommunications - [K_K05].

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

1. Multiple choice test. For each question one can get 1 point. The pass mark is 50% of the points.
2. Preparation and presentation of a selected economic problem (in a team of two). Answers to questions about the project topic. The proposed assessment is a result of the knowledge presented in the project, the way the project is presented and the answers given to the questions.
For lecture and project credits, the following percentage thresholds apply to individual grades: 2.0 (<
 50%), 3.0 (50%-59%), 3.5 (60%-69%), 4.0 (70%-79%), 4.5 (80%-89%), 5.0 (90% and more).

Programme content

The course curriculum covers basic economic theories and general knowledge about the principles of operation of modern economic systems and economic entities.

Course topics

1 The subject of economics. Basic economic entities.
XD
2. The essence of the market mechanism.
3. Elasticity of demand/supply and its applications.
3. Theory of the producer (entrepreneur).
4. Analysis of enterprise costs in the short and long term.
5. Analysis of market structures.
6. The role of the state in the economy.
7. The issue of economic growth.
8. New technologies as the main driving force of the modern economy.

Teaching methods

Traditional lecture: multimedia presentation, illustrated with examples given on the board. Problem-based lecture.
Project: multimedia presentation, reporting on the assumptions of the developed project and presentation and discussion of the project results.

Bibliography

Basic:
1. Gajowiak M. (red.), Makroświat. Podręcznik z zadaniami z makroekonomii, Wydawnictwo Politechniki Poznańskiej, Poznań 2013.
2. Mankiw N.G., Taylor M.P., Mikroekonomia, PWE, 2009, 2015.
3. Borowiec A., Brzęczek T., Mikroekonomia, Wydawnictwo Politechniki Poznańskiej, Poznań 2011.
4. Makreoekonomia. Podstawy, 2023, wersja cyfrowa, https://openstax.pl/szczegoly-ksiazki?book=Makroekonomia%E2%80%93Podstawy

Additional:

1. Krugman P., Mikroekonomia, PWN, 2020.
2. Krugman P., Makroekonomia, PWN, 2020.
3. Stiglitz, Ekonomia sektora publicznego,PWN, 2004.
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Breakdown of average student's workload

	Hours	ECTS
Total workload	60	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)	30	1,00