



## COURSE DESCRIPTION CARD - SYLLABUS

Course name

Economics

### Course

Field of study

Electrical Engineering

Area of study (specialization)

-

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/1

Profile of study

general academic

Course offered in

Polish

Requirements

compulsory

### Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

### Number of credit points

1

### Lecturers

Responsible for the course/lecturer:

dr inż. Justyna Michalak

Responsible for the course/lecturer:

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Wydział Inżynierii Środowiska i Energetyki

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### Prerequisites

Student has a knowledge in the scope of financial economy of power enterprises. Student has a knowledge in the scope of basics of entrepreneurship, about function of market and market economy, enterprise estate (costs and incomes and rules of financial settlements. Student has an ability of calculation of simple examples concerning financial results of enterprise. Is able to collect data necessary to perform this analysis. Student has a consciousness of readiness to work in a team and taking decision

### Course objective

To acquaint with basic definitions in the scope of microeconomics and macroeconomics, To acquaint with basics of enterprise economy.. To acquaint with legal organization form of enterprise.



### Course-related learning outcomes

#### Knowledge

1. Has a knowledge in the scope of basics of microeconomics concern to market demand and supply, labor market, financial market
2. Has a knowledge in the scope of basics of enterprise economy concern to management of enterprise economy and to law-organization form of enterprise

#### Skills

1. Is able to determine enterprise effectiveness on organization, process and work site levels
2. Is able to collect data necessary to perform effectiveness analysis of power enterprises

#### Social competences

Has a consciousness of economy aspects in power enterprise management on market

### Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

#### Lecture

evaluation of knowledge and competition on written test

permanent evaluation on every classes (rewarding for activity)

### Programme content

#### Lecture

Basic problems of microeconomics: market demand, market supply, labor market. financial market. Basic problems of macroeconomics: macroeconomic measures of economy, mechanisms of acting on economy, fiscal and monetary politics, macroeconomic problems, inflation, unemployment. Basic problems concern production economics in enterprise, working capital economics, economic of fixed assets management.

### Teaching methods

Lecture with multimedia presentation

### Bibliography

#### Basic

1. Urbaniak P., Podstawy ekonomii. CZ. 1. Mikroekonomia : podręcznik, Wydaw. EMPI2, Poznań 2002.
2. Urbaniak P., Podstawy ekonomii. CZ. 1. Makroekonomia, Wydaw. EMPI2, Poznań 1999. 3. Paska J.,
3. Ekonomia w elektroenergetyce, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 2007.

#### Additional

1. Ustawa z dnia 10 kwietnia 1997 r. PRAWO ENERGETYCZNE z Rozporządzeniami Ministra Gospodarki w



sprawie szczegółowych zasad kształtowania i kalkulacji taryf oraz zasad rozliczeń w obrocie energią elektryczną.

2. Sierpińska M., Jachna T., Ocena przedsiębiorstwa według standardów światowych, Wydawnictwo Naukowe PWN, Warszawa, 2017.
3. Praca zbiorowa pod redakcją Jana Duraja, Podstawy ekonomiki przedsiębiorstwa, Polskie Wydawnictwo Ekonomiczne, Warszawa, 2002.
4. Janasz W, Podstawy ekonomii przemysłu, Wydawnictwo Naukowe PWN, Warszawa, 1997.
5. Drury C., Rachunek kosztów Wydawnictwo Naukowe PWN, Warszawa, 1996.
6. Laudyn D., Rachunek ekonomiczny w elektroenergetyce, Oficyna Wydawnicza Politechniki Warszawskiej, Warszawa, 2007.
7. Szynal J.red., Ekonomia, Wydawnictwo Uniwersytetu Ekonomii we Wrocławiu, Wrocław 2013.
8. Bławat F., Podstawy analizy ekonomicznej. Teorie, przykłady, zadania, CeDeWu, Warszawa 2015.

#### Breakdown of average student's workload

	Hours	ECTS
Total workload	35	1,0
Classes requiring direct contact with the teacher	22	1,0
Student's own work (literature studies, preparation for test) <sup>1</sup>	13	1,0

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