



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Energy law and energy management

Course

Field of study

Power Engineering

Area of study (specialization)

-

Level of study

Second-cycle studies

Form of study

full-time

Year/Semester

1/2

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:

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Faculty of Environmental Engineering and

Energy

Piotrowo 3A, 60-965 Poznań

Responsible for the course/lecturer:

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Prerequisites

Basic knowledge in electrical power engineering, impact of energy on the environment, electricity transmission and distribution, energy markets, operation of the energy systems and energy security.

Ability to assess the impact of implementation of analysed processes in terms of electrical power engineering on society. Ability to self-study effectively topics related to the chosen field of study.

Awareness of the need to extend competences, readiness to cooperate within a team, aiming for sustainable development in processes' performance.

Course objective

Gaining knowledge on legal and organizational regulations concerning entities offering energy and related services to consumers. Understanding the system of shaping legal energy regulations in the European Union. Presenting basic legal regulations in force in the areas of energy market, development



of renewable energy sources, implementation of energy efficiency and the use of space and the environment.

Course-related learning outcomes

Knowledge

1. Student can present and assess existing and planned legal regulations and organizational structures forming the framework of technical and economical processes implemented to ensure safe and effective energy supply to consumers, supporting distributed generation and energy management.
2. Student has knowledge in the field of energy law, as well as data acquisition systems and diagnostics of power grid elements.

Skills

1. Student is able to use literature sources and follow modifications of legal acts regulating the activities of energy enterprises.
2. Student is able to assess the impact of existing and draft legal regulations on the activities of energy enterprises, including their economic efficiency.

Social competences

1. Student is aware of the importance and effects of the energy industry's impact on society and joint action on national and international scale to achieve strategic goals that guarantee optimal development of the energy sector.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lecture:

- knowledge and skills assessment through a problem-based written exam,
- continuous assessment of student's skills and competences during each class through discussions on current issues (rewarding attendance and active participation in the classes).

Programme content

Lecture:

The EU strategy in the field of energy development and resulting legal acts binding for the member states. The organization of the supply of energy carriers in Poland on a legal basis. Legal acts regulating the operation of energy enterprises in Poland. Legal regulations regarding the development of the electricity market and intersystem exchange. Legal regulations concerning the use of space and the environment. Legal regulations regarding energy efficiency. Legal regulations concerning the development of renewable energy sources. Legal basis for the functioning of the capacity market.

Teaching methods

Lecture: multimedia presentation - informational and problem lectures supplemented with examples presented on the board, elements of brainstorming and discussion



Bibliography

Basic

1. Pawełczyk M., Publicznoprawne obowiązki przedsiębiorstw energetycznych jako instrument zapewnienia bezpieczeństwa energetycznego w Polsce, Wydawnictwo Adam Marszałek, 2013
2. Staszewski R., Tajduś A., Prawo energetyczne z aktami wykonawczymi, Wydawnictwo AGH, 2009
3. Wysocki R., Prawo energetyczne i wybrane przepisy energoefektywne, POLCEN, 2014.

Additional

1. Jurkowska-Gomułka A., Polityki Unii Europejskiej. Polityki sektorów infrastrukturalnych - aspekty prawne, Warszawa 2010
2. Kaczmarski M., Bezpieczeństwo energetyczne Unii Europejskiej, Wydawnictwa Akademickie i Profesjonalne, Warszawa 2010
3. Łucki Z., Misiak W., Energetyka a społeczeństwo: aspekty socjologiczne, Wydawnictwo Naukowe PWN, Warszawa 2010
4. Wojtkowska-Łodej G., Uwarunkowania rozwoju energetyki w zakresie polityki energetycznej i regulacyjnej, ELIPSA Warszawa 2016

Breakdown of average student's workload

	Hours	ECTS
Total workload	35	1,0
Classes requiring direct contact with the teacher	20	1,0
Student's own work (literature studies, preparation for classes and exam) ¹	15	1,0

¹ delete or add other activities as appropriate