



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Energy policy and legal regulations [S2Elenerg1>PE]

Course

Field of study

Electrical Power Engineering

Year/Semester

1/1

Area of study (specialization)

Smart Grids

Profile of study

general academic

Level of study

second-cycle

Course offered in

Polish

Form of study

full-time

Requirements

compulsory

Number of hours

Lecture

15

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

1,00

Coordinators

dr inż. Jerzy Andruszkiewicz

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Lecturers

Prerequisites

Student has basic knowledge of power engineering, impact of energy generation and use on the environment, transmission and distribution of electricity, energy markets and operation of power system. Ability to assess the impact of the implementation of the analyzed processes in the field of power engineering on society. Knowledge of the basics of entrepreneurship, market functioning and market economy. Ability to self-study in a field related to the chosen field of study. Awareness of the need to expand the competences, readiness to cooperate within the team and strive for sustainable development of utility processes.

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 and energy policy in the European Union and in Poland. Getting to know the legal basis and goals of energy enterprises in the energy sector. Getting to know the executive legal acts regulating the operation of enterprises in the area of grid monopoly and competitive energy market. 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. Understanding the strategies and methods of implementation of energy policy of a given country.

Course-related learning outcomes

Knowledge:

1. student has knowledge of the legal basis for the operation of the energy sector as an area regulated by state policy and the obligations of providing services by energy companies for the implementation of basic tasks of the energy sector.
2. student has knowledge of the applicable legal regulations regarding safe and effective energy supply to consumers, supporting distributed generation, electricity management and environmental protection in the energy sector.

Skills:

1. student is able to use literature sources and to follow the modifications of legal acts concerning the energy policy of Poland and to indicate the current and future strategic tasks of energy companies in the upcoming 10-year time perspective.
2. student is able to assess the impact of the current and planned legal regulations on the activities of energy companies, including their economic efficiency.

Social competences:

1. student is aware of the importance and effects of the energy industry's impact on society and of joint action on a national and continental scale to achieve strategic goals guaranteeing the optimal development of the energy sector.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

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Lecture:

- knowledge and skills assessment through a problem-based written test,
- 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 sector development and resulting legal acts binding for the member states. Energy policy of Poland and the EU. 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.

Course topics

none

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. Polityka energetyczna Polski do 2040 r., Ministerstwo Klimatu i Środowiska, Warszawa 2021
3. Prawo energetyczne : komentarz / Marzena Czarnecka, Tomasz Ogłódek. Marzena Czarnecka Tomasz Ogłódek; Oficyna Wydawnicza Branta. 2007
4. Prawo energetyczne z aktami wykonawczymi. Roman Staszewski, Antoni Tajduś, Wydawnictwo AGH, 2009.
5. Staszewski R., Tajduś A., Prawo energetyczne z aktami wykonawczymi, Wydawnictwo AGH, 2009
6. Wysocki R., Prawo energetyczne i wybrane przepisy energoefektywne, POLCEN, 2014.

Additional

1. Andruskiewicz J., Uzupelnianie prawa europejskiego - Kodeksy sieciowe. Energia Elektryczna, Biuletyn Branżowy ISSN 1897-3833, 03/2013, ss. 20 – 22. A
2. Jurkowska-Gomułka A., Polityki Unii Europejskiej. Polityki sektorów infrastrukturalnych - aspekty prawne, Warszawa 2010
3. Kaczmarek M., Bezpieczeństwo energetyczne Unii Europejskiej, Wydawnictwa Akademickie i Profesjonalne, Warszawa 2010
4. Łucki Z., Misiak W., Energetyka a społeczeństwo: aspekty socjologiczne, Wydawnictwo Naukowe PWN, Warszawa 2010
5. 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.
6. 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 | 29 | 1,00 |
| Classes requiring direct contact with the teacher | 15 | 0,50 |
| Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation) | 14 | 0,50 |