STUDY MODULE DESCRIPTION FORM

Name of the module/subject **Law in Electrical Power Engineering**		Code **1010311371010315272**
Field of study **Electrical Engineering**	Profile of study (general academic, practical) **general academic**	Year /Semester **4 / 7**
Elective path/specialty **Distribution Devices and Electrical**	Subject offered in: **Polish**	Course (compulsory, elective) **elective**
Cycle of study: **First-cycle studies**	Form of study (full-time,part-time) **full-time**	
No. of hours Lecture: **-** Classes: **-** Laboratory: **-** Project/seminars: **1**		No. of credits **2**
Status of the course in the study program (Basic, major, other) **other**	(university-wide, from another field) **university-wide**	
Education areas and fields of science and art **technical sciences**		ECTS distribution (number and %) **2 100%**

Responsible for subject / lecturer:

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Prerequisites in terms of knowledge, skills and social competencies:

1	**Knowledge**	Basic information on electrical devices and measuring apparatus and its use
2	**Skills**	The ability to acquire information from the subject literature and other sources and to critically analyze them
3	**Social competencies**	Understand aspects and effects of responsibility regarding activity of an engineer for taking decisions

Assumptions and objectives of the course:

To learn about the legislative process in Poland. Getting to know the most important legislative acts constituting the principles of functioning electricity market and rules of functioning electricity networks in Poland. Acquiring knowledge about the limitations of practice the profession connected with the necessity of obtaining permissions and vocational qualifications. Getting to know the role of law in shaping the construction process.

Study outcomes and reference to the educational results for a field of study

Knowledge:

1. Have the basic knowledge necessary to understand the social, economic, legal and other non-technical engineering activity conditions, know the basic ergonomic principles, OHS and the hazards that may exist in the electrical industry - [[K_W19++]]

Skills:

1. Able to prepare the documentation related to the implementation of engineering task and to discuss the results of this task - [[K_U07++]]
2. Have self-learning skills, including in order to improve professional and social competencies - [[K_U09+]]
3. Apply work safty regulations - [[K_U21+]]

Social competencies:

1. Understand the need and know learning opportunities throughout life (master?s, doctoral and postgraduate studies) and improving professional, personal and social skills - [[K_K01+]]

Assessment methods of study outcomes

1. Continuous assessment during each course (rewarding activities and quality of perception),
- knowledge and skills evaluation based on performer project in the form of:
a summary of the problematic issue and a flow chart presenting links between acts and individual subtopics of given issue.

Obtaining extra points for activity during classes, and in particular for:
- the effectiveness of applying knowledge in resolving a given problem;
- comments relating to the improvement of teaching materials;
- aesthetic diligence of prepared projects within the framework of self-study.

Course description

1. The legislative process in Poland in particular the rules of passing statutes, issuing regulations and standards and recommendations
2. Energy Law
3. Principles of charges for electricity
4. The functioning of the electricity market
5. Procedures and rules for connecting new customers to the power grids
6. The role of law in shaping the construction process. Rules of acquisition and operation of building licenses
7. The rules concerning the determination and possessing formal qualifications for persons involved in the operation of devices and networks
8. The rules of functioning electricity networks and technical requirements that must be fulfilled by installations and networks in buildings

Basic bibliography:

1. Markiewicz H.: Urządzenia elektroenergetyczne, WNT, Warszawa, 2001.
2. Maksymiuk J.: Aparaty elektryczne, PWN, Warszawa, 1995.
3. Maksymiuk J., Pochanke Z.: Obliczenia i badania diagnostyczne aparatury rozdzielczej, wyd.1, WNT, 2001.
4. Bełdowski T., Markiewicz H.: Stacje i urządzenia elektroenergetyczne, WNT, Warszawa, 1998.
5. Maksymiuk J.: Aparaty elektryczne pytaniach i odpowiedziach, WNT, Warszawa, 1997.
6. Przepisy Budowy Urządzeń Elektroenergetycznych, Wydawnictwa Przemysłowe WEMA, Warszawa, 1997.
7. Ustawa Prawo budowlane
8. Ustawa Prawo energetyczne

Additional bibliography:

Result of average student's workload

Activity	Time (working hours)
1. Design classes participation	15
2. Prepering for classes	7
3. Consultation	2
4. Implementation of the project	20
5. Defense and credit of the project	1

Student's workload

Source of workload	hours	ECTS
Total workload	45	2
Contact hours	18	1
Practical activities	40	2