



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Nuclear law in Poland [S2EJ1>PJwP]

Course

Field of study

Nuclear Power Engineering

Year/Semester

1/2

Area of study (specialization)

–

Profile of study

general academic

Level of study

second-cycle

Course offered in

polish

Form of study

full-time

Requirements

elective

Number of hours

Lecture

30

Laboratory classes

0

Other (e.g. online)

0

Tutorials

0

Projects/seminars

0

Number of credit points

2,00

Coordinators

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Lecturers

Prerequisites

Basic knowledge of nuclear physics and chemistry. Basic knowledge of radiological protection and issues related to protection against ionising radiation. Knowledge of the safety of nuclear facilities.

Course objective

To provide the student with knowledge of nuclear law in force in Poland. To acquaint the student with related regulations concerning atomic law, nuclear safety and radiological protection.

Course-related learning outcomes

Knowledge:

- 1 The student knows and understands the need to create law in the field of nuclear energy.
- 2 The student has knowledge of the current energy law. The student knows the concept of energy law and is able to indicate the most important acts of Polish law concerning nuclear energy.
3. He/She has knowledge of the role of energy law in the state security system, including its impact on humans and the environment.

Skills:

1. Students will be able to evaluate changes in the energy sector in the context of changes in nuclear energy law.
2. Student is able to analyse the interrelationships related to nuclear law changes..

Social competences:

1. The student is aware of the importance of and understands the non-technical aspects and effects of power engineering, including nuclear power engineering, on the environment.
2. The student understands the necessity of systematic deepening and broadening of his/her knowledge and skills.

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Lectures

Credit in written form by the deadline given at the beginning of the semester. A list of questions is made available to students at the beginning of the semester. Student activity is assessed at each lecture. A minimum of 50% of the maximum number of points is required to pass the course.

Programme content

Lectures

Introduction (essence of nuclear energy use, nuclear technologies, basic legislation). Energy Law and Nuclear Law in Poland. Polish Nuclear Energy Programme. Nuclear safety and radiological protection (concept, authorisation, obligations). Nuclear facilities (concept, classification, location and implementation of investments). Radioactive waste (classification, concepts of radioactive waste and spent nuclear fuel, transport). Radioactive waste disposal facilities. Problems of reprocessing of spent nuclear fuel. Civil liability for nuclear damage. Role, tasks and objectives of the President of the State Atomic Energy Agency.

Teaching methods

Lecture delivered remotely using synchronous access methods.

Lectures:

lectures in the form of multimedia presentations and supplemented by elements of brainstorming and discussion.

Bibliography

Basic:

1. F. Elżanowski, *Polityka energetyczna. Prawne instrumenty realizacji*, Warszawa 2008
2. *Polityka energetyczna Polski do 2040 r.*, Ministerstwo Klimatu i Środowiska, Warszawa 2021
3. Staszewski R., Tajduś A., *Prawo energetyczne z aktami wykonawczymi*, Wydawnictwo AGH, 2009
4. Ustawa z dnia 29 listopada 2000 r. *Prawo atomowe* (Dz. U. 2001 Nr 3 poz. 18) z późniejszymi zmianami
5. *Biuletyn informacyjny Państwowej Agencji Atomistyki, Bezpieczeństwo jądrowe i ochrona radiologiczna*, *Prawo atomowe i akty wykonawcze. Część I*, Warszawa, 2002, Nr 3-4 (51)

Additional:

1. Ustawa z dnia 10 kwietnia 1997 r. **PRAWO ENERGETYCZNE**.
2. Radosław Szczerbowski, *redakcja naukowa/ Energetyka węglowa i jądrowa: wybrane aspekty*, Poznań 2017
3. Szczerbowski, R., Ceran, B. 2017. *Polityka energetyczna Polski w aspekcie wyzwań XXI wieku. Polityka Energetyczna - Energy Policy Journal* t. 20, z. 3, s. 17-28.
4. *Istotne aspekty bezpieczeństwa energetycznego Polski* / Piotr Janusz, Radosław Szczerbowski, Przemysław Zaleski / Warszawa, Polska : Texter, 2017
5. Ł. Młynarkiewicz. *Decyzja zasadnicza w procesie przygotowania i realizacji inwestycji w zakresie obiektów energetyki jądrowej*. Wydawnictwo Arche Marek Tokarczyk. 2020.
6. Ustawa z dnia 29 czerwca 2011 r. *o przygotowaniu i realizacji inwestycji w zakresie obiektów energetyki jądrowej oraz inwestycji towarzyszących* (Dz.U. 2011 nr 135 poz. 789) z późniejszymi zmianami

Breakdown of average student's workload

	Hours	ECTS
Total workload	55	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)	25	1,00