GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | History of technology, PG_00059840 | | |
| Field of study | Electrical Engineering | | |
| Date of commencement of studies | February 2027 | Academic year of realisation of subject | 2026/2027 |
| Education level | second-cycle studies | Subject group | |
| Mode of study | Full-time studies | Mode of delivery | at the university |
| Year of study | 1 | Language of instruction | Polish |
| Semester of study | 1 | ECTS credits | 3.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Partment of Metrology and Information Systems -> Faculty of Electrical and Control Engineering -> Faculties of Gdańsk University of Technology | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. inż. Dariusz Świsulski | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 15.0 | 0.0 | 0.0 | 0.0 | 15.0 | 30 |

E-learning hours included: 0.0

**Learning activity and number of study hours**

| Learning activity | Participation in didactic classes included in study plan | Participation in consultation hours | Self-study | SUM |
|---|---|---|---|---|
| Number of study hours | 30 | 5.0 | 40.0 | 75 |

**Subject objectives**

Celem przedmiotu jest opanowanie przez studenta wiedzy dotyczącej historii techniki. Student pozna wydarzenia związane z rozwojem przemysłu elektrotechnicznego i elektroenergetyki na ziemiach polskich.

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K7_W71] has general knowledge in humanistic, social, economic or legal sciences, including their fundamentals and applications | Defines events that determine the history of fundamental fields of technology. | [SW1] Assessment of factual knowledge |
| [K7_K71] is able to explain the need to apply knowledge from humanistic, social, economic or legal sciences in order to function in a social environment | Determines the importance of historical heritage for the development of the electrical engineering and power industry. | [SK4] Assessment of communication skills, including language correctness |
| [K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems | Identifies the influence of the history of technology in assessing contemporary processes. | [SU2] Assessment of ability to analyse information |

**Subject contents**

Course content – lecture

The history of technical education, the history of industry, including the electrotechnical industry, the history of power engineering, the activities of selected precursors of technology.

Course content – seminar

Preparing a description for technical antique. Presentation of a selected topic in class.

**Prerequisites and co-requisites**

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Written work and seminar presentation | 50.0% | 50.0% |
| Lecture pass | 50.0% | 50.0% |

**Recommended reading**

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|---|---|
| Basic literature | Pater Z.: Wybrane zagadnienia z historii techniki, Politechnika Lubelska, Lublin 2011 |
| Supplementary literature | Gierlotka S.: Historia elektrotechniki, "Śląsk" Wydawnictwo Naukowe, Katowice 2022 |
| eResources addresses | |

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|---|---|
| Example issues/ example questions/ tasks being completed | The history of the Gdańsk University of Technology, the history of the Polish electrotechnical industry, the history of Alfons Hoffmann's Electric Apparatus Factory, the history of power engineering in Pomerania. |
| Practical activites within the subject | Not applicable |

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