



Subject card

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|---|---|--|--|-------------------------------------|--|------------|-----|
| Subject name and code | Fundamentals of Company Functioning, PG_00049451 | | | | | | |
| Field of study | Power Engineering, Power Engineering | | | | | | |
| Date of commencement of studies | October 2023 | | Academic year of realisation of subject | | 2023/2024 | | |
| Education level | first-cycle studies | | Subject group | | Obligatory subject group in the field of study Humanistic-social subject group | | |
| Mode of study | Full-time studies | | Mode of delivery | | at the university | | |
| Year of study | 1 | | Language of instruction | | English | | |
| Semester of study | 2 | | ECTS credits | | 2.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Manufacturing and Production Engineering -> Faculty of Mechanical Engineering and Ship Technology | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Aleksandra Wiśniewska | | | | |
| | Teachers | | dr inż. Aleksandra Wiśniewska dr inż. Dominika Zakrzewska | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 30.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | | 1.0 | | 19.0 | 50 |
| Subject objectives | The goal of the subject is to present the foundations of company functioning to enable to overall understanding of how company is active in the economic environment and enhance the understanding of internal and external relationship evident in organizations. | | | | | | |
| Learning outcomes | Course outcome | | Subject outcome | | Method of verification | | |
| | [K6_K01] is aware of the need for training and self-improvement in the profession of energy and the possibility of further education; can think and act in a creative and entrepreneurial manner; can define priorities for the implementation of an individual or group task | | Knows the role of communication in managing teams and company. Is aware of company culture concept and knows how continuous development is impacting companies. | | [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work | | |
| | [K6_W07] knows the basics of economic calculus in the energy sector; knows the legal, organizational and economic principles of the functioning of energy markets, knows the basic principles of management and running a business | | Awareness about key company challenges. Knows what entrepreneurship is. Understands the balance sheet of a company. Know key concepts of project and process management. Is aware about cost types and key concepts of managing costs. Understands the concept of risk and how to do a proper risk response planning. Is aware about values that impact team effectiveness. | | [SW3] Assessment of knowledge contained in written work and projects | | |
| Subject contents | The scope of the subject is to present the foundations of company functioning to enable to overall understanding of how company is active in the economic environment and enhance the understanding of internal and external relationship evident in organizations. | | | | | | |
| Prerequisites and co-requisites | | | | | | | |

| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
|--|---|--|-------------------------------|
| | test | 51.0% | 100.0% |
| Recommended reading | Basic literature | <div>1. Organization Theory and Design Paperback, Richard L. Daft,Jonathan Murphy,Hugh Willmott 4 Feb 2010</div> <div>2. Essentials of Organizational Behavior (10th Edition), Timothy A. Judge, Stephen P. Robbins</div> <div>3. Jeff Immelt and the New GE Way: Innovation, Transformation, and Winning in the 21st Century, David Magee</div> <div>4. The Machine That Changed the World: The Story of Lean Production, James P. Womack, Daniel T. Jones, Daniel Roos</div> <div>5. Management 3.0: Leading Agile Developers, Developing Agile Leaders, Jurgen Appelo</div> | |
| | Supplementary literature | <div>1. Good to Great: Why Some Companies Make the Leap...And Others Don't, Jim Collins</div> <div>2. A Class with Drucker: The Lost Lessons of the World's Greatest Management Teacher Paperback,William A. Cohen Ph.D. March 4, 2009</div> <div>3. As One, Mehrdad Baghai, James Quigley February 3, 2011</div> | |
| | eResources addresses | Adresy na platformie eNauczanie: Fundamentals of Company Functioning, Energy Technologies, lato 2023/2024 - Moodle ID: 36821 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=36821 | |
| Example issues/ example questions/ tasks being completed | <div>Production system</div> <div>Product, process, idea</div> <div>Value stream mapping</div> <div>Lean management's methods in engineering management</div> | | |
| Work placement | Not applicable | | |