



Subject card

Subject name and code	Fundamentals of Company Functioning, PG_00049451						
Field of study	Power Engineering						
Date of commencement of studies	October 2024	Academic year of realisation of subject			2024/2025		
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						
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_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		
	[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.			[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness		
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	<ol style="list-style-type: none"> 1. Organization Theory and Design Paperback, Richard L. Daft, Jonathan Murphy, Hugh Willmott 4 Feb 2010 2. Essentials of Organizational Behavior (10th Edition), Timothy A. Judge, Stephen P. Robbins 3. Jeff Immelt and the New GE Way: Innovation, Transformation, and Winning in the 21st Century, David Magee 4. The Machine That Changed the World: The Story of Lean Production, James P. Womack, Daniel T. Jones, Daniel Roos 5. Management 3.0: Leading Agile Developers, Developing Agile Leaders, Jurgen Appelo
	Supplementary literature	<ol style="list-style-type: none"> 1. Good to Great: Why Some Companies Make the Leap...And Others Don't, Jim Collins 2. A Class with Drucker: The Lost Lessons of the World's Greatest Management Teacher Paperback, William A. Cohen Ph.D. March 4, 2009 3. As One, Mehrdad Baghai, James Quigley February 3, 2011
	eResources addresses	Adresy na platformie eNauzanie:
Example issues/ example questions/ tasks being completed	<p>Production system</p> <p>Product, process, idea</p> <p>Value stream mapping</p> <p>Lean management's methods in engineering management</p>	
Work placement	Not applicable	