



Subject card

Subject name and code	Fundamentals of sociology, PG_00055207						
Field of study	Mechanical Engineering						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2026/2027		
Education level	first-cycle studies	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	1	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 -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	dr Andrzej Karalus					
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	0.0	15
	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	15		0.0		0.0	15
Subject objectives	The student knows the principles of human functioning in various organizations and social institutions. Able to identify the macro and microstructure of social and adopt appropriate attitudes in the management team and staff.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_K01] is aware of the need for complementing the knowledge throughout the whole life, is able to select proper methods of teaching and learning, critically assesses the possessed knowledge; is aware of the importance of professional conduct and following the rules of professional ethics; is able to show resourcefulness and innovation in the realisation of professional projects	The student defines the rules of managing people in groups and teams. The student knows and is able to apply the principles of leadership and motivation. The student understands the need to update their knowledge and is able to identify and use the sources of knowledge. The student knows the principles of Continuing Improvement and the benefits of skilful use of the potential of human resources in terms of creativity and innovation.	[SK2] Assessment of progress of work [SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness
	[K6_K02] understands ex-technical aspects of the activities included in the profession of a mechanical engineer, among others its social impact and influence on the condition of an environment; is aware of the responsibility connected with the decisions made in connection with engineering activity	The student uses the knowledge obtained in the framework of various modules to evaluate the non-technical effects of engineering activities and adopt responsible attitudes.	[SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice [SK4] Assessment of communication skills, including language correctness [SK3] Assessment of ability to organize work
[K6_W12] possesses basic knowledge necessary to understand the ex-technical conditions of engineering activity, possesses basic knowledge on management, including quality management and running commercial enterprise, within the range of protection of intellectual property and patent law; knows general principles of creating and developing forms of individual entrepreneurship and basic HSE rules applicable to machine industry	The student recognizes the constant and variable elements of the functioning of social groups, individuals and organizations and is able to determine their mutual relations and influence on the behavior between the group and the individual.	[SW1] Assessment of factual knowledge	
Subject contents	<p>Course content – lecture</p> <ol style="list-style-type: none"> 1. Short history of sociology. Main traditions: functionalism, symbolic interactionism, conflict theory. 2. Basic sociological concepts: social control, institutions, social roles. 3. Methodology of sociology: quantitative and qualitative methods, social network analysis. 4. Sociology of scientific knowledge: from positivism to the strong programme. 5. Science and technology studies: actor-network theory 6. Economic sociology: sociological tools in economic analysis. 7. Sociology of culture: socialization, mass media, gender. 		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Test	60.0%	100.0%

Recommended reading	Basic literature	<p>Peter L. Berger, Invitation to sociology: a humanistic perspective, Harmondsworth: Penguin, 1966.</p> <p>Kathleen Odell Korgen (ed.), The Cambridge Handbook of Sociology, Vol 1. Core Areas in Sociology and the Development of the Discipline. Cambridge: Cambridge University Press, 2017.</p> <p>Jonathan H. Turner (ed.), Handbook of Sociological Theory, New York: Springer, 2001.</p>
	Supplementary literature	<p>Neil J. Smelser, Richard Swedberg, The Handbook of Economic Sociology, Princeton University Press, 2005.</p> <p>John R. Hall, Laura Grindstaff, Ming-cheng Lo, Handbook of Cultural Sociology, Routledge, 2010.</p>
	eResources addresses	
Example issues/ example questions/ tasks being completed	<p>How does the institutionalization process work?</p> <p>What is cultural capital?</p> <p>How does culture shape individual behavior?</p> <p>What is the social function of the family?</p> <p>What is science from a sociological perspective?</p>	
Practical activities within the subject	Not applicable	

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