



## Subject card

Subject name and code	Fluid power systems, PG_00005041						
Field of study	Management and Production Engineering, Management and Production Engineering						
Date of commencement of studies	October 2020	Academic year of realisation of subject			2023/2024		
Education level	first-cycle studies	Subject group					
Mode of study	Full-time studies	Mode of delivery			at the university		
Year of study	4	Language of instruction			Polish		
Semester of study	7	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	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	1. Knowledge of basic legal institutions and procedures of legal protection in the European Union.2. Acquiring knowledge on the functioning of the EU, its history, structure, member states and the direction of the EU, together with planned activities and projects associated.						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
	K6_K01		The student is able to identify and use sources of information as well as funds and programs supporting entrepreneurship		[SK3] Assessment of ability to organize work		
	K6_W10		The student is able to characterize the social and market conditions of the engineer's activity, including those related to efficiency, quality and care for health and safety		[SW1] Assessment of factual knowledge		
	K6_U02		The student understands and accepts the need to expand knowledge in the field of production engineering and undertake activities related to gaining experience		[SU3] Assessment of ability to use knowledge gained from the subject [SU2] Assessment of ability to analyse information		
Subject contents	<ol style="list-style-type: none"><li>1. The economic situation after World War II. The Marshall Plan and the creation of the EEC. The creation of NATO and the establishment of the Council of Europe.</li><li>2. European Coal and Steel Community and the European Economic Community and the European Atomic Energy Community. European integration - the Maastricht Treaty and the Treaty on European Union symbols, structure, pillars.</li><li>3. Since the Treaty of Amsterdam to the Treaty of Nice. The institutional system of the European Union: EU countries, Poland in the EU, assistance, subsidies, etc.</li><li>4. Rules in the European Union: the principle of primacy of Community law, the principle of solidarity, subsidiarity, proportionality, system policies, the general principles of law.</li><li>5. Sources of Community law: primary law, secondary legislation.</li><li>6. Economic and Monetary Union. Free movement of goods, persons, services and capital.</li><li>7. Protection of intellectual property in the EU.</li></ol>						
Prerequisites and co-requisites							

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
		test	60.0%
Recommended reading	Basic literature	1. Marta Witkowska, „Zasady funkcjonowania Unii Europejskiej”, Warszawa 2008, ISBN 978-83-60501-40-5.  2. Barcz J., red., Traktat o Unii Europejskiej, Traktat o funkcjonowaniu Unii Europejskiej. Teksty skonsolidowane, Wyd. Prawo i Praktyka Gospodarcza, Warszawa 2009  3. Barcz J., red., Ustrój Unii Europejskiej, Warszawa 2010	
	Supplementary literature	1. Jan W. Tkaczyński, „Między unitaryzmem a federalizmem. Unia Europejska w świetle doświadczeń ustrojowych Republiki Federalnej Niemiec”, Kraków 1998, ISBN 83-86697-46-6.  2. Galster J., red., Podstawy prawa Unii Europejskiej. Zarys wykładu, Wyd. Dom Organizatora, Toruń 2006	
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<p>The economic situation after World War II.            The Marshall Plan            The creation of the European Economic Community Organization            The creation of NATO            Steel and Coal Community            European Economic Community and the European Atomic Energy Community            The Treaty of Maastricht            The Treaty on European Union.            Since the Treaty of Amsterdam to the Treaty of Nice.            The institutional system of the European Union            The principle of the primacy of Community            The principle of solidarity            The principle of subsidiarity            The principle of proportionality            Sources of Community law: primary law, secondary legislation.            Economic and Monetary Union.            Free movement of goods, persons, services and capital.            Intellectual property in the European Union.</p>		
Work placement	Not applicable		