

**Subject card**

<b>Subject name and code</b>	Law of infrastructure sectors - lecture, PG_00198046						
<b>Field of study</b>	Administration						
<b>Date of commencement of studies</b>	October 2026	<b>Academic year of realisation of subject</b>			2026/2027		
<b>Education level</b>	Master's studies	<b>Subject group</b>			Obligatory subject group in the field of study Subject group related to scientific research in the field of study		
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			Polish		
<b>Semester of study</b>	2	<b>ECTS credits</b>			3.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>			exam		
<b>Conducting unit</b>	Department of Public Economic Law and Environmental Protection Law -> Faculty of Law and Administration -> Rector						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr Justyna Przedańska				
	Teachers						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	30		2.0		43.0	75
<b>Subject objectives</b>	<p>The aim of the course is to analyse the regulation of infrastructure sectors in the context of the digital transformation of public administration, with particular emphasis on the role of data, digital tools, and new forms of communication between regulators, market actors, and users of public services.</p> <p>The course develops the ability to critically assess regulatory instruments in the context of e-government, the platformisation of public services, and the use of digital technologies in decision-making and supervisory processes.</p>						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[ADMINMU2_W03] has advanced knowledge and understanding of current dilemmas related to the functioning of administration and the application of legal institutions within the state, public administration, and the economy, including in the context of the creation and development of various forms of entrepreneurship, with particular emphasis on regulations concerning new technologies.	The student, at an advanced level, knows and understands the contemporary regulatory dilemmas related to the functioning of public administration and the application of legal institutions in infrastructure sectors, in particular in the context of digitalisation, the development of new technologies, and their impact on models of public service delivery and economic activity.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
	[ADMINMU2_W02] at an advanced level, identifies and understands the legal and administrative determinants of various forms of social and economic life, including those characteristic of the state and the information society, as well as issues relating to different aspects of the application of new technologies.	The student, at an advanced level, identifies and analyses the legal and administrative determinants of the regulation of infrastructure sectors in the context of digital transformation, in particular with regard to the use of data, digital tools, and the functioning of public services within the information society.	[SW4] test/exam - oral or written [SW1] oral statement/ conversation/discussion
Subject contents	<p>The course provides an advanced analysis of the regulation of infrastructure sectors in the context of the digital transformation of public administration. It begins with a conceptual reconstruction of infrastructure sectors and their significance for the functioning of the state and the economy, taking into account the evolution from traditional models of network infrastructure regulation to contemporary approaches based on data flows, digital services, and platform-based systems.</p> <p>The course examines models of sectoral regulation, including ex ante and ex post regulation, co-regulation, and self-regulation, with particular attention to their transformation in the digital environment. Special emphasis is placed on the role of data as a regulatory resource, the importance of interoperability of information systems, and the use of digital tools by regulatory authorities, including monitoring systems, reporting mechanisms, and elements of automated decision-making.</p> <p>Institutional aspects of regulation are analysed, including the structure and competences of regulatory authorities at both national and European Union levels, as well as their functioning in a digital context. The course also addresses the relationships between regulators, market actors, and users of public services, with a focus on new forms of electronic communication and digital participation.</p> <p>A significant part of the course is devoted to regulatory instruments such as tariffs, concessions, licences, access obligations, and service standards, examined in the context of their adaptation to digital conditions. New forms of regulation related to digital platforms and data-driven services are also discussed.</p> <p>Sector-specific regulation is analysed in selected areas, including energy, transport, telecommunications, and water and wastewater management, with particular attention to digitalisation, automation, and system integration. Examples include smart energy grids, mobility platforms, and infrastructure management systems.</p> <p>The course also addresses issues of regulatory responsibility in the use of digital technologies, including automated administrative decision-making, the use of algorithms, and the protection of individual rights. Risks related to cybersecurity of critical infrastructure and the resilience of public systems are also examined.</p> <p>Finally, the course explores contemporary regulatory challenges, in particular the energy transition, climate policy objectives, and the development of a data-driven economy. It also addresses principles of good governance, including transparency, proportionality, and participation in regulatory processes.</p> <p>The course combines theoretical and problem-based approaches. As part of the tutorials, students analyse case studies, work with regulatory data and documents, and participate in simulations of decision-making processes, developing their ability to apply regulatory instruments and critically assess their effects.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written exam (test/problem-based questions)	51.0%	100.0%

Recommended reading	Basic literature	M. Król-Bogomińska (red.), <i>Regulacja sektorowa. Instytucje i instrumenty</i> , Wolters Kluwer Polska, Warszawa 2024 M.M. Zalcewicz, <i>Regulacja działalności gospodarczej. Wybrane problemy prawne</i> , C.H. Beck, Warszawa 2022
	Supplementary literature	K. Kokocińska, <i>Regulacja sektora elektroenergetycznego. Aspekty prawne</i> , Wydawnictwo Naukowe Uniwersytet im. Adama Mickiewicza w Poznaniu, Poznań 2020
	eResources addresses	Basic <a href="https://www.oecd.org/content/dam/oecd/en/publications/reports/2020/10/the-oecd-digital-government-policy-framework_11dd6aa8/f64fed2a-en.pdf">https://www.oecd.org/content/dam/oecd/en/publications/reports/2020/10/the-oecd-digital-government-policy-framework_11dd6aa8/f64fed2a-en.pdf</a> - OECD, The OECD Digital Government Policy Framework, OECD Publishing, Paris 2020, available at: OECD iLibrary.
Example issues/ example questions/ tasks being completed	<ul style="list-style-type: none"> <li>• What is the nature of the transformation of infrastructure sector regulation in the context of the digitalisation of public administration?</li> <li>• Can data be considered a regulatory resource? Discuss its role in the activities of regulatory authorities.</li> <li>• Compare ex ante and ex post regulatory models in the context of dynamic digital markets.</li> <li>• How is the role of regulatory authorities evolving in the context of automation and the use of digital tools?</li> <li>• Can digital platforms be regarded as infrastructure? Justify your answer.</li> <li>• Analyse a selected infrastructure sector (e.g. energy, transport, telecommunications) with regard to digitalisation processes and their impact on regulation.</li> <li>• What are the legal limits of automated administrative decision-making?</li> <li>• What risks are associated with the use of algorithms in public administration?</li> <li>• Explain the importance of interoperability of information systems for effective regulation.</li> <li>• How does the energy transition affect the regulatory model of the energy sector?</li> </ul>	
Work placement	Not applicable	

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