

**Subject card**

Subject name and code	Clinical immunology, PG_00079305						
Field of study	Medical Biology						
Date of commencement of studies	October 2023	Academic year of realisation of subject			2025/2026		
Education level	Bachelor's studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	full-time studies	Mode of delivery			at the university		
Year of study	3	Language of instruction			Polish		
Semester of study	5	ECTS credits			2.0		
Learning profile	academic	Assessment form			exam		
Conducting unit	Department of General and Medical Biochemistry -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr n. med. Marlena Typiak				
	Teachers		dr n. med. Marlena Typiak dr hab. Dorota Żurawa-Janicka				
Lesson types	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		0.0		0.0	30
Subject objectives	familiarizing students with the clinical picture and pathophysiology of selected diseases caused by immunological disorders, indication of the role of immunogenetics in selected diseases and transplantology, preparing the student to work in a specialized medical team, indicating the possibility of combining scientific research with the diagnosis of selected clinical cases, tracing the relationship between individual immunological defects and a specific clinical picture						
Learning outcomes	Course outcome		Subject outcome		Method of verification		
					[SW4] test/exam - oral or written [SU1] oral statement/conversation/discussion		
Subject contents	Topics of the lecture Clinical picture and pathophysiology of selected diseases caused by immunological disorders, including: primary immunodeficiencies, autoimmune diseases, interactions of the microbiome and the immune system, immune response against cancer, reproductive disorders, allergy and anaphylaxis. Disease syndromes in immunology. Therapy with immunoglobulin preparations, biological treatment basics and application. Introduction to transplantology, selected immunogenetic issues. Active and passive immunization.						

Prerequisites and co-requisites	<p>Completed courses on the topics: Propaedeutics of internal diseases, Basics of cellular and molecular immunology.</p> <p>Basic knowledge of human anatomy, physiology, internal diseases and basic immunology.</p>								
Assessment methods and criteria	<table border="1"> <thead> <tr> <th data-bbox="448 255 794 286">Subject passing criteria</th> <th data-bbox="794 255 1141 286">Passing threshold</th> <th data-bbox="1141 255 1487 286">Percentage of the final grade</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 286 794 322">written test</td> <td data-bbox="794 286 1141 322">51.0%</td> <td data-bbox="1141 286 1487 322">100.0%</td> </tr> </tbody> </table>	Subject passing criteria	Passing threshold	Percentage of the final grade	written test	51.0%	100.0%		
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written test	51.0%	100.0%							
Recommended reading	<p>Basic literature</p>	<p>Literature required to finally pass the course (pass the exam):</p> <p>Clinical immunology, H. Chapel et al., ed. Grzegorz Senatorski, ed. Czelej 2009;</p> <p>Immunologia, ed. J. Gołąb, M. Jakóbisiak et al., ed. PWN 2012</p>							
	Supplementary literature	Cellular and Molecular Immunology, A.Abbas et al., Elsevier, 2021							
	eResources addresses								
Example issues/ example questions/ tasks being completed	<p>The immune system will respond inflammatoryly to: a. autologous and syngeneic transplant b. autologous and isogenic transplant c. allogeneic and xenogeneic transplant d. none of the answers are correct</p>								
Work placement	Not applicable								

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