

Subject card

Subject name and code	Clinical immunology, PG_00079306						
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			3.0		
Learning profile	academic	Assessment form			credit		
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				
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	30.0	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 [SW1] oral statement/ conversation/discussion [SK8] observation of student's independent or team work		
Subject contents	Flow cytometry and other methods used in clinical immunology; antibody determination; assessment of cellular response, phagocytosis, complement system; immunogenetics						
Prerequisites and co-requisites	Completed courses on the topics: Propaedeutics of internal diseases, Basics of cellular and molecular immunology						
Assessment methods and criteria	Subject passing criteria		Passing threshold		Percentage of the final grade		
	correct answers to questions		51.0%		60.0%		
	presentation/group work		51.0%		40.0%		

Recommended reading	Basic literature	Clinical immunology, H. Chapel et al., ed. Grzegorz Senatorski, ed. Czelej 2009; Immunology, ed. J. Gołab, M. Jakóbsiak et al., ed. PWN 2012
	Supplementary literature	Cellular and Molecular Immunology, A. Abbas et al., Elsevier, 2021
	eResources addresses	
Example issues/ example questions/ tasks being completed	Based on the materials provided by the teacher and other available sources, prepare a multimedia presentation in the group, including the characteristics of artificial (plastic) monoclonal antibodies and their use.	
Work placement	Not applicable	

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