

Subject card

Subject name and code	Natural Plant Products, PG_00154692						
Field of study	Medical Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject		2026/2027		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study Optional subject group		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		Polish		
Semester of study	3		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Department of Experimental Biology and Plant Biotechnology -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr hab. Wojciech Pokora				
	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						
	Additional information: lecture with multimedia presentation,						
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		2.0		33.0	50
Subject objectives	The aim of the auditory is to acquaint students with the possibilities of using the knowledge about the occurrence, isolation techniques and biological activity of natural plant products in everyday life and science.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLMEDMU2_U01] can proficiently, but critically, use the scientific literature and databases necessary in the activities of medical biology and related disciplines	Student knows basic research equipment and tools, as well as maintains correct order of activities in the laboratory when works with plant material	[SU2] presentation/project/paper/report
	[BIOLMEDMU2_K07] is ready to formulate opinions on various aspects of professional activities	Student makes a critical self-assessment of their own competences, as well as updates their knowledge and improves discus skills	[SK1] oral statement/conversation/discussion
	[BIOLMEDMU2_W04] knows the principles of planning research based on the achievements of biological and medical sciences, the principles of operation of equipment and apparatus used in medical biology research, and the principle of interpreting biological phenomena and processes based on empirical data in research work and practical activities	Student is familiar with the development and current state of knowledge, as well as the latest trends in plant science and indicates their relationship with other disciplines in the natural sciences	[SW2] presentation/project/paper/report
	[BIOLMEDMU2_W02] is oriented to the currently debated problems in medical biology and related disciplines	Student has in-depth knowledge of the role of plant originated products in everyday life and in biological sciences	[SW2] presentation/project/paper/report
	[BIOLMEDMU2_W01] has an in-depth knowledge of scientific fields and disciplines relevant to medical biology and the studied specialty and knows their main development trends	Student recognizes research problems from the border of biological sciences that require the use of advanced science tools	[SW2] presentation/project/paper/report
Subject contents	The most important natural products from plant and their importance for the pharmaceutical and biotechnology industry. Plant products/derivatives in cosmetics, beauty and wellness industry. Natural medicine. Medicines and poisons from the garden/meadow/forest. Plant products and cuisine preparation technology and properties. Plant products as the source of green energy		
Prerequisites and co-requisites	lack		
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	written work	51.0%	100.0%
Recommended reading	Basic literature	Selected scientific articles	
	Supplementary literature	Selected scientific articles	
	eResources addresses		
Example issues/ example questions/ tasks being completed			
Work placement	Not applicable		

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