

Subject card

Subject name and code	Plant Taxonomy, PG_00145205						
Field of study	Biology						
Date of commencement of studies	October 2025		Academic year of realisation of subject			2027/2028	
Education level	Bachelor's studies		Subject group			Obligatory subject group in the field of study 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			1.0	
Learning profile	academic		Assessment form			credit	
Conducting unit	Laboratory of Plant Taxonomy -> Department of Plant Taxonomy and Nature Conservation -> Faculty of Biology -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Sławomir Nowak				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	15.0	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		3.0		7.0	25
Subject objectives	The purpose of the course is to introduce the student to the current state of research in plant taxonomy, including the latest research methods. To present the basics of the history of classification of organisms and artificial and natural classification systems. To familiarize the student with the code of botanical nomenclature, as well as various definitions of taxonomy. To develop the ability to use a key to identify species, as well as to understand the basics of its preparation. To develop in the student an awareness of the need to classify organisms in the context of biodiversity loss.						

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[BIOLL3_W14] The graduate knows the theoretical basis of experimental methods and the most important techniques of the biological sciences	student is able to perform simple phenetic and phylogenetic analyses and interpret their results	[SW2] presentation/project/paper/report [SW5] implementation of a problem task
	[BIOLL3_W10] The graduate is familiar with the development and current state of knowledge and the latest trends in biology, as well as their relationship with other natural disciplines	student understands the impact of achievements from other fields of biology on the development of taxonomy and can give examples of them	[SW1] oral statement/conversation/discussion [SW2] presentation/project/paper/report [SW3] text preparation/written work [SW5] implementation of a problem task
	[BIOLL3_U12] The graduates will be able to use Polish and foreign languages specific to biology in a way that is understandable and accessible to both specialists and non-specialists	student uses specialized language in the field of plant taxonomy and understands the concepts of this field of science both in Polish and English	[SU1] oral statement/conversation/discussion [SU2] presentation/project/paper/report [SU3] text preparation/written work [SU5] implementation of a problem task [SU8] observation of student's independent or team work
	[BIOLL3_K08] The graduate is ready to be honest, reliable and apply the principles of savoir-vivre in academic and professional work	student prepares projects individually or in a group based on taxonomic data in an honest and reliable manner	[SK2] presentation/project/paper/report [SK3] text preparation/written work [SK5] implementation of a problem task [SK8] observation of student's independent or team work
	[BIOLL3_K01] The graduate is prepared to evaluate their own knowledge, understand the need for continuous learning and development, and is open to new ideas	student is aware of the changes in taxonomy over time and the impact of the development of biological sciences on these changes	[SK1] oral statement/conversation/discussion [SK2] presentation/project/paper/report [SK3] text preparation/written work [SK5] implementation of a problem task [SK8] observation of student's independent or team work
Subject contents	Taxonomic collections. Taxonomic studies. Keys to determination. Code of nomenclature. Use of the latest information sources and databases in taxonomic research. Sources of taxonomic information. Modern methods used in the development of classification systems: phenetic (taxometry), phylogenetic (cladistics), molecular analysis.		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Tasks during the course	51.0%	50.0%
	Working during class time	51.0%	50.0%
Recommended reading	Basic literature	Stace C.A. 1993. Taksonomia roślin i biosystematyka. PWN. Warszawa.	
	Supplementary literature	Stearn W.T. 2004. Botanical Latin. 4th ed. David and Charles Publishers. Jeffrey, C. 1977. Biological Nomenclature (2nd. edn.). Edward Arnold Davis Heywood. 1963. Principles of angiosperm taxonomy. New York. Spalik K, & Piwarczyński M. 2006. Rekonstrukcja filogenezy i wnioskowanie filogenetyczne w badaniach ewolucyjnych. Kosmos 58(3-4): 485-498. Laneand C.E, Archibald J.M. 2008. The eukaryotic tree of life: endosymbiosis takes its TOL. Trends in Ecol. & Evol. 23(5): 268-275. Stuessy T. 2009. Paradigms in biological classification. Taxon 58: 1707-1708.	
	eResources addresses		

Example issues/ example questions/ tasks being completed	The grade for exercises is determined on the basis of attendance at classes (attendance is mandatory) and partial grades received during the semester for tasks performed during and between classes. In the absence of a sufficient number of points for a pass in the classes, the student is required to write a final paper covering the range of material from the classes.
Work placement	Not applicable

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