University of Gdańsk

Subject card

Subject name and code	Numerical methods for bioinformatics, PG_00156237		
Field of study	Bioinformatics		
Date of commencement of studies	October 2025	Academic year of realisation of subject	2026/2027
Education level	Bachelor's studies	Subject group	Obligatory subject group in the field of study
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	6.0
Learning profile	academic	Assessment form	credit
Conducting unit	Institute of Theoretical Physics and Astrophysics -> Faculty of Mathematics, Physics and Informatics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Marek Krośnicki	
	Teachers	dr Adrian Kołodziejski	

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	0.0	45.0	0.0	0.0	60

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	60	0.0	90.0	150

Subject objectives

n

Learning outcomes

Course outcome	Subject outcome	Method of verification
[BIOINL3_U04] Graduate effectively plans and organizes work independently or as part of a team	n	[SU1] oral statement/conversation/ discussion [SU2] presentation/project/paper/ report [SU5] implementation of a problem task
[BIOINL3_W03] Has sufficient knowledge of mathematical and statistical methods in order to describe and model biological phenomena and processes	n	[SW3] text preparation/written work
[BIOINL3_U03] Graduate applies fundamental mathematical and statistical methods to describe phenomena and analyze data; has the ability to perform basic data analysis in professional databases used in bioinformatics	n	[SU1] oral statement/conversation/ discussion [SU3] text preparation/written work [SU5] implementation of a problem task

Subject contents

n

Prerequisites and co-requisites

n

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
project	51.0%	70.0%
test	51.0%	30.0%

Recommended reading

Basic literature	n
Supplementary literature	n

	eResources addresses	
Example issues/ example questions/ tasks being completed	n	
Work placement	Not applicable	

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