

en and genome	engineering of mari	ine organisr	ns #13.8	3.1099	9			Uniwersy
ousy - Centrum Informatyczi Kształcenia							ୢୄୄୄୄୄୄୄୄୄ	Gdański
rkształcenia								
	KAPITAŁ LUDZKI NARODOWA STRATEGIA SPÓJNOŚCI		nansowany j sjską w rama ego Fundusz ecznego	ich	UNIA EUROPEJSKA EUROPEJSKI FUNDUSZ SPOŁECZNY	* * * * * * * * *		
Course title				ECTS	code			
Gen and genome of Name of unit admin	engineering of marine organi istrating study	sms		13.8	3.1099			
Faculty of Oceano	graphy and Geography							
Studies								
faculty Faculty of Oceanography and Geography	field of study Oceanography	form	second tier s full-time Biological Oo all					
Teaching staff								
prof. UG, dr hab. K	Conrad Ocalewicz							
	he realization and number of	of hours		ECTS	credits			
Forms of classes				6				
Laboratory classes	s, Lecture				tact hours: 86			
The realization of a	ctivities			Nur	nber of ECTS credits: 3			
classroom instructi	ion, online classes			- pa	rticipation in lectures: 3	0 h		
Number of hours				-	rticipation in exercises:			
	s: 45 hours, Lecture: 30 hour	s		- pa Stud Nur Tota - pro liter - pro	rticipation in the exam / rticipation in consultation dent's own work: nber of ECTS credits: 3 al number of hours: 75 h eparation for the exam / ature): 30 h actical classes (preparate ependent work, design a	n / credit (stuc	sses,	<s, etc.):<="" td=""></s,>
The academic cycle								
2023/2024 winter s	semester							
Type of course		Langua	ge of instru	ction				
obligatory		englis	h					
Teaching methods - conducting exper	iments	examina	nd method o ation require aluation		ssment and basic crite	eria for eve	luatio	on or
- group work			led credit					
- multimedia-hased	1 lecture	- Glau						

multimedia-based lecture - Examination - project-based method (research, implementation, Assessment methods practical project) - ssignment work - conducting research and presenting results - (mid-term / end-term) test - assignment work - completing a specific practical assignment - graded course credit based on individual grades obtained during the semester - written exam (test) The basic criteria for evaluation Method of verifying required learning outcomes

Gen and genome engineering of marine organisms $\#13.8.1099 \mid 54963ae580942c8fe78ff25f632c6770 \mid Strona 1 z 2$



	Wykonywanie doświadczeń	Wykład z prezentacją multimedialną				
	Wiedza					
K_W04		exam				
	Umiejętności					
K_U02	report, test					
K_U03	report, test					
K_U04	report, test					
	Kol	npetencje				
К К05	exam					
Required courses and introductory requirem	ents					
A. Formal requirements						
B. Prerequisites						
Aims of education						
fragments as well as control of the reproduction of n Objective 4: students acquire practical skills in asse single-sex fish stocks. Course contents	-	ne techniques of polyploidization of cells and creating				
Bibliography of literature						
The learning outcomes (for the field of study	and Knowledge					
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an					
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an aquatic environment, adequat	nathematical, statistical, IT) used in the work of an d interpret phenomena and processes occurring in the				
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an aquatic environment, adequat	nathematical, statistical, IT) used in the work of an d interpret phenomena and processes occurring in the e to the studied specialisation				
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an aquatic environment, adequat Skills U_1 [K_U02] fluently and pro- presenting and discussing pro- (A1-A8, B1-B8) U_2 [K_U03] independently pl field and in the laboratory, usin techniques in the field of gene specialisation studied and the U_3 [K_U04] analytically and	nathematical, statistical, IT) used in the work of an d interpret phenomena and processes occurring in the				
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an aquatic environment, adequat Skills U_1 [K_U02] fluently and prop presenting and discussing pro- (A1-A8, B1-B8) U_2 [K_U03] independently pl field and in the laboratory, usin techniques in the field of gene specialisation studied and the U_3 [K_U04] analytically and and based on them, draw corr	nathematical, statistical, IT) used in the work of an d interpret phenomena and processes occurring in the e to the studied specialisation berly use the current scientific terminology in blems in the field of gene and genome engineering an and carry out tests and measurements, both in the ng appropriately selected measuring and analytical and genome engineeringy, adequate to the research problem considered (B1-B8) synthetically elaborate research and analyses result				
The learning outcomes (for the field of study specialization)	W_1 [K_W04] know and under research methods and tools (r oceanographer to describe an aquatic environment, adequat Skills U_1 [K_U02] fluently and prop presenting and discussing pro- (A1-A8, B1-B8) U_2 [K_U03] independently pl field and in the laboratory, usin techniques in the field of gene specialisation studied and the U_3 [K_U04] analytically and and based on them, draw corr B8). Social competence K_1 [K_K05] comply with the of the specialist equipment rel	nathematical, statistical, IT) used in the work of an d interpret phenomena and processes occurring in the te to the studied specialisation berly use the current scientific terminology in blems in the field of gene and genome engineering an and carry out tests and measurements, both in the ng appropriately selected measuring and analytical and genome engineeringy, adequate to the research problem considered (B1-B8) synthetically elaborate research and analyses result				

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