



WNoŻiR



Field of study	Aquaculture and Fisheries									
Mode of study	stationary	Level	first cycle							
Graduate's qualification	inżynier									
Fields of science	agricultural sciences									
Disciplines of science	animal science and fisheries (100%)									
Educational profile	general academic									
Module										
Course unit	<b>Ethics in scientific research</b>									
Code	WNOZIR/AQF/S1/									
Field of specialisation										
Administering faculty	Department of Hydrobiology, Ichthyology and Biotechnology of Reproduction									
ECTS	5.0	ECTS (forms)	5.0							
Form of course credit	credits	Language	english							
Electives	3	Elective group								
Form of instruction	Cod	Semester	Hours	ECTS	Weight	Credit				
lecture	W	2	45	5.0	1.00	credits				
Leading teacher	Dyk Wiesław (wnozir@zut.edu.pl)									
Other teachers										
<b>Prerequisites</b>										
W-1	General knowledge about conducting scientific research									
<b>Module/course unit objectives</b>										
C-1	Students will learn about the methodology and methods of conducting scientific research									
<b>Course content divided into various forms of instruction</b>						<b>Number of hours</b>				
T-W-1	Universal principles and ethical values in scientific research					15				
T-W-2	Recommended procedures in science					15				
T-W-3	Dishonesty in scientific research					15				
<b>Student workload - forms of activity</b>						<b>Number of hours</b>				
A-W-1	Lectures					45				
A-W-2	Self-study					60				
A-W-3	Preparation for exam					45				
<b>Teaching methods / tools</b>										
M-1	Lectures									
<b>Evaluation methods (F - progressive, P - final)</b>										
S-1	F	Course attendance Interview with a student on a given subject								
<b>Designed learning outcomes</b>		Reference to the learning outcomes designed for the fields of study	Reference to Learning Outcomes for qualifications at PQF 6, 7 or 8	Reference to learning outcomes for qualifications at level 6 or 7 that enable acquiring engineering competences	Course objectives	Course content	Teaching methods	Evaluation methods		
<b>Knowledge</b>										
AQF_1A_B04a_W01	Student has knowledge on ethics in scientific research		AQF_1A_W17	P6S_WK		C-1	T-W-1 T-W-2	T-W-3	M-1	S-1
<b>Skills</b>										
AQF_1A_B04a_U01	Student is able to follow and apply ethics in scientific studies		AQF_1A_U26	P6S_UK P6S_UO P6S_UU		C-1	T-W-1 T-W-2	T-W-3	M-1	S-1
<b>Social competences</b>										
AQF_1A_B04a_K01	Student is aware of the importance of behavior in a professional manner, compliance with the principles of ethics. Student is aware of the responsibility for own work and team work		AQF_1A_K02	P6S_KO P6S_KR		C-1	T-W-1 T-W-2	T-W-3	M-1	S-1



Outcomes	Grade	Evaluation criterion
<i>Knowledge</i>		
AQF_1A_B04a_W01	2,0	
	3,0	Basic knowledge on ethics in scientific research
	3,5	
	4,0	
	4,5	
	5,0	
<i>Skills</i>		
AQF_1A_B04a_U01	2,0	
	3,0	Basic ability to apply ethics in scientific research
	3,5	
	4,0	
	4,5	
	5,0	
<i>Other social competences</i>		
AQF_1A_B04a_K01	2,0	
	3,0	Student is able to verify the ethical concepts in the field of aquaculture and fisheries at the basic level.
	3,5	
	4,0	
	4,5	
	5,0	

*Required reading*

1. 1. Cortney Weinbaum, Eric Landree, Marjory S. Blumenthal, Tepring Piquado, Carlos Ignacio Gutierrez Gaviria, Ethics in Scientific Research, An Examination of Ethical Principles and Emerging Topics., RAND Corporation, 2019, [https://www.rand.org/pubs/research\\_reports/RR2912.html](https://www.rand.org/pubs/research_reports/RR2912.html), PDF available using link