

Zachodniopomorski Uniwersytet Technologiczny w Szczecinie

Faculty of Food Sciences and Fisheries

Field of st Mode of s	tudv							
Mode of s			aculture and Fish					
			onary	Level	first cycle	WNoŻiR		
Graduate'	's qualification	inżyı	nier			VVINO	ZIK	
Fields of s	science	agrio	cultural sciences					
Disciplines of science animal			nal science and f			7		
Educational profile		gene	general academic					-1
Module								
Course unit Code			Fisheries management and new fish catching techniques					1
		WNC	ZIR/AQF/S1/					
Field of sp	pecialisation							
Administe	ering faculty			modity Science, Quand Human Nutrit	uality Assessment, tion		_	
ECTS		6.0						
Form of course credit		exar	nination	Language	english			
Electives		6		Elective group				
Form of in	nstruction	Cod	Semester	Hours	ECTS	Weight	Credi	t
laboratory	y course	L	3	30	3.0	0.50	credit	:S
lecture	<u>, </u>	W	3	30	3.0	0.50	examina	tion
Leading te	eacher	Czer	niejewski Przem		 w.Czerniejewski@z			
Other tead		CZCI	The jew ski i i zerii	ysiaw (112cmysia)	W.CZermejewski@Z	ut.cuu.pi)		
Prerentic	ites							
Prerequisi	Basic of techno	Joay arov	yth and types of f	ichony				
W-1			vth, and types of f	ishery.				
W-1	Ourse unit object Students will k investigate exp	ctives	wordwilde fisheri	es, value chains, and	d ecological research ulation parameters, a			
W-1 Module/co	Students will k investigate exp density.	ctives now about ploited org	wordwilde fisheri anisms, such as d	es, value chains, and etermination of popu			ect estimation	of fish
W-1 Module/co	Students will k investigate explorated divided in History of Polis management:	now about ploited org into vario th fisheries domestic a	wordwilde fisheri anisms, such as do us forms of instr management . F and international	es, value chains, and etermination of popuruction isheries: recreation and fisheries law . A		nd field work for dire		of fish
W-1 Module/co C-1 Course co	Students will k investigate explored density. Internet divided in the management: catching technic pourse unit object.	now about oloited org into vario h fisheries domestic a ics. Fish controls heries ma	wordwilde fishericanisms, such as described with a such as described wi	es, value chains, and etermination of popular of popular of the control of the co	ulation parameters, a	ons of fisheries agement. New fish	ect estimation	of fish
W-1 Module/co C-1 Course co T-L-1 T-W-1	Students will k investigate explored density. Internet divided in the management: catching technic pourse unit object.	now about ploited org into vario th fisheries domestic a ics. Fish co theries ma ts. Modellii	wordwilde fishericanisms, such as described	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	ect estimation	of fish hours 30
W-1 Module/co C-1 Course co T-L-1 T-W-1	Students will k investigate explored density. Intent divided in the management: catching technical principles of fis aquatic habitat	now about oloited org into vario h fisheries domestic a ics. Fish cosheries mats. Modellins of activ	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	of fish hours 30
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W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1	Students will k investigate explored density. Intent divided in the thickness of Polis management: catching technical Principles of fis aquatic habitativorkload - forming practice in lake	now about oloited org into vario h fisheries domestic a ics. Fish cosheries mats. Modellins of activ	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	of fish f hours 30 30 f hours 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2	Students will k investigate expensity. Internet divided in the investigate expensity. Internet divided in the investigate expensity. Internet divided in the investigate expensity of Polis in the investigation in the	now about oloited org into vario h fisheries domestic a ics. Fish cosheries mats. Modellins of activ	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	of fish f hours 30 30 f hours 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2	Students will k investigate explored density. Intent divided in History of Polismanagement: catching techn Principles of fis aquatic habitativorkload - form Practice in lake Self-study Exercises	now about oloited org into vario h fisheries domestic a ics. Fish cosheries mats. Modellins of activ	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	of fish f hours 30 30 f hours 30 30 30 30
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W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3	Students will k investigate expensity. Internet divided in the internet divided in the internet in the intern	now about organization organiza	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	30 30 30 30 30 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3	Students will k investigate expensity. Internet divided in the transfer of Polis management: catching techning technical technic	into vario h fisheries domestic a ics. Fish ca sheries ma s. Modellin s of active e and river	wordwilde fishericanisms, such as described was forms of instraction in the such as a	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	30 30 30 30 30 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3 Teaching w M-1	Students will k investigate expensity. Intent divided intent divi	now about organization of the control of the contro	wordwilde fishericanisms, such as described and instruction in lake, rinagement and mean and Quantitative	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	30 30 30 30 30 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3 Teaching w M-1	Students will k investigate expensity. Intent divided intent divi	now about organization of the control of the contro	wordwilde fishericanisms, such as described and instruction in lake, rinagement and mean and Quantitative	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	30 30 30 30 30 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3 Teaching m M-1 Evaluation	Students will k investigate expensity. Intent divided intent divi	now about organization of the control of the contro	wordwilde fishericanisms, such as described was forms of instruction of instruction of international pollection in lake, rinagement and meng and Quantitative ity	es, value chains, and etermination of popular of popular of the control of the co	commercial. Institution and analysis of fish	ons of fisheries agement. New fish	Number of	30 30 30 30 30 30 30 30 30
W-1 Module/co C-1 Course co T-L-1 T-W-1 Student w A-L-1 A-L-2 A-L-3 A-W-1 A-W-2 A-W-3 Teaching w M-1 Evaluation S-1	Students will k investigate expensity. Intent divided intent divi	now about organization various into various into various into various into various ics. Fish construction ics. Fish construction ics. Modellings of actives and river in classes is satory progress. In a classes is a classes in a classes is a classes in	wordwilde fishericanisms, such as described and instructional international pollection in lake, rinagement and meng and Quantitative ity	es, value chains, and etermination of popular determination of popular	commercial. Institution and analysis of fish	ons of fisheries agement. New fish populations and cs in fisheries.	Number of Number of	30 30 30 30 30 30 30 30 30



AQF_1A_C10a_W01

Faculty of Food Sciences and Fisheries

Students will learn about the role of the fisheries management authority in Poland, the importance of sustainable fishing and protecting the marine environment.			AQF_1A_W03 AQF_1A_W05 AQF_1A_W11	P6S_WG	P6S_WG	C-1	T-L-1	T-W-1	M-1	S-1 S-2	
Skills											
AQF_1A_C10a_U01 The student has the ability to lead a rational fishing management			AQF_1A_U09 AQF_1A_U12 AQF_1A_U13 AQF_1A_U16 AQF_1A_U19	P6S_UO P6S_UW	P6S_UW	C-1	T-L-1	T-W-1	M-1	S-1 S-2	
Social competer	ices								•	•	
AQF_1A_C10a_K01 The student has good competences to plan the fisheries management, exploitation and stocking of fish			AQF_1A_K01 AQF_1A_K02 AQF_1A_K03 AQF_1A_K04 AQF_1A_K05	P6S_KK P6S_KO P6S_KR		C-1	T-L-1	T-W-1	M-1	S-1 S-2	
Outcomes	Grade	Evaluation criterion									
Knowledge	'	ı									
AQF_1A_C10a_W01	2,0	the student has not knowledge of fishing and stocking on basic level									
	3,0	the student has knowledge of fishing and stocking on basic level									
	3,5	the student has knowledge of fishing and stocking on upper than basic level									
	4,0	the student has knowledge of fishing and stocking on good level									
	4,5	the student has knowledge of fishing and stocking on upper than good level									
	5,0	the student has knowledge of fishing and stocking on very good level									
Skills											
AQF_1A_C10a_U01	2,0	The student has not the ability to lead a rational fishing management on basic level									
	3,0	The student has the ability to lead a rational fishing management on basic level									
	3,5	The student has the ability to lead a rational fishing management on upper than basic level									
	4,0	The student has the ability to lead a rational fishing management on good level									
	4,5										
	5,0 The student has the ability to lead a rational fishing management on vary good level										
Other social com	npetenc	es									
AQF_1A_C10a_K01	2,0	The student has not any competences to plan the fisheries economy									
	3,0										
	3,5	The student has a good competences to plan the fisheries economy on the upper than basic level									
	4,0	The student has a good competences to plan the fisheries economy on the good level									
	4,5	The student has a good competences to plan the fisheries economy on the upper than good level									
	5,0	5,0 The student has a good competences to plan the fisheries economy on the very good level									
Required reading	g										
1. John C. Sainsbu	ry, Comn	nercial Fishing Methods: An In	troduction to Ve	ssels and Gea	ırs, Wiley 3 ed	lition, 1	996				
2. Ian Wellby, Ash	Girder. F	Robin Welcomme, Fisheries Ma	anagement: A Ma	anual for Still	- Water Coars	e Fishe	ries, lo	hn Wilev	& Sons	, 2010	

- 2. Ian Wellby, Ash Girder, Robin Welcomme, Fisheries Management: A Manual for Still Water Coarse Fisheries, John Wiley & Sons, 2010
- 3. R. Quentin Grafton, Ray Hilborn, Dale Squires, Meere Tait, Handbook of Marine Fisheries Conservation and Management, Oxford University Press, 2010