Annex 1 to the Senat Resolution No.7 of January 25, 2021
Faculty of Food Sciences and Fisheries
Major: Aquaculture and Fisheries
Dziedziny nauki: dziedzina nauk rolniczych
Dyscypliny naukowe: **zootechnika i rybactwo (100%)**
Educational profile: **general academic**
Form of studies: **stationary**
Level of studies: **first cycle**
Specialisation:
Academic year: **2021/2022**
Valid from: **2021-10-01**

Zachodniopomorski Uniwersytet Technologiczny w Szczecinie

Curriculum	Diploma - title	Obligatory / Elective	Obligatory / Elective (Students' group)	Module / Subject code	Modules / subject symbol	Module / subject name	Form of class (lecture, seminar, laboratory, project, practice, e-learning, other)	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites	Number of hours per week	Number of hours per semester	Number of ECTS credits	Assessment (E, ZO, ZU, O)	Prerequisites
Modules/Subjects of general education					A01	Basics of scientific information		1	15	1	O																												
Modules/Subjects of general education					A02	Basics of entrepreneurship		1	15	1	O																														
Modules/Subjects of general education					A03	Librarian training		1	15	1	O																														
Modules/Subjects of general education					A04	Rights and duties of students		1	15	1	O																														
Modules/Subjects of general education					A05	Work safety and health regulations		1	15	1	O																														
Modules/Subjects of general education					A06	Physical education 1		0	30	1	O																														
Modules/Subjects of general education					A06	Physical education 2		0	30	1	O																														
Modules/Subjects of general education					B01	Intellectual property law		1	15	1	O																														
Modules/Subjects of general education	4	1				Electives 1		1	15	1	O																													
Modules/Subjects of general education	4	1				Electives 2		1	15	1	O																													
Modules/Subjects of general education	4	1				Electives 3		1	15	1	O																													
						Total	9	1	285	19			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10	
Modules/Subjects of general education					B02	Economics with elements of management		1	30	2	GZ																													
Modules/Subjects of general education					B09	Materials with basics of robotics		1	60	3	O																													
Modules/Subjects of basic education					B07	Hydrobiology		1	60	3	O																													
Modules/Subjects of basic education					B08	Chemistry		1	60	3	O																													
Modules/Subjects of basic education					B09	Biochemistry		1	60	3	O																													
Modules/Subjects of basic education					B10	Physics of aquatic environment		1	60	3	O																													
Modules/Subjects of basic education					B11	Fish anatomy and ethnology		1	60	3	O																													
						Total	6	1	390	20			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10	
Modules/Subjects of basic education					C01	Basics of fish taxonomy		1	60	3	O																													
Modules/Subjects of basic education					C02	Fish biology and introduction to fish ecology		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 4		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 5		1	60	3	O																													
Modules/Subjects of basic education					C05	Fisheries management		1	60	3	O																													
Modules/Subjects of basic education					C07	Fisheries resources		1	60	3	O																													
Modules/Subjects of basic education					C08	Basics of genetics		1	60	3	O																													
Modules/Subjects of basic education					C09	Toxicology in aquaculture and fisheries		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 6		1	60	3	O																													
Modules/Subjects of basic education					C11	Genetics and fish selection		1	60	3	O																													
Modules/Subjects of basic education					C13	Hydrobiology		1	60	3	O																													
Modules/Subjects of basic education					C12	Invertebrates aquaculture		1	60	3	O																													
Modules/Subjects of basic education					C14	Fish breeding		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 7		1	60	3	O																													
Modules/Subjects of basic education					C16	Diseases and treatment of aquatic animals		1	60	3	O																													
Modules/Subjects of basic education					C17	Viral diseases of aquatic organisms		1	60	3	O																													
Modules/Subjects of basic education					C18	Microbiology		1	60	3	O																													
Modules/Subjects of basic education					C19	Waste management in aquacultures		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 8		1	60	3	O																													
Modules/Subjects of basic education					C21	Nutrition and feed production		1	60	3	O																													
Modules/Subjects of basic education					C22	Basics of processing and preservation of aquatic		1	60	3	O																													
Modules/Subjects of basic education					C23	Techniques of molecular biology		1	60	3	O																													
Modules/Subjects of basic education					C24	Diseases of aquatic invertebrates		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 9		1	60	3	O																													
Modules/Subjects of basic education					C26	Technological properties and safety of aquatic		1	60	3	O																													
Modules/Subjects of basic education					C27	Hydrochemistry and water protection		1	60	3	O																													
Modules/Subjects of basic education					C28	Conservation of aquatic animals and aquaculture		1	60	3	O																													
Modules/Subjects of basic education	4	1				Electives 10		1	60	3	O																													
						Total	10	1	300	30			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10	
Elective	4	1		B05	Foreign language 1 (English)		1	1	75	5	O																													
Elective	4	1		B05	Foreign language 1 (German)		1	1	75	5	O																													
Elective	4	1		B05	Foreign language 2 (English)		1	1	75	5	O																													
Elective	4	1		B05	Foreign language 2 (German)		1	1	75	5	O																													
Elective	4	1		B06	Ethics in scientific research		0	1	15	1	O																													
Elective	4	1		B06	Philosophy		0	1	15	1	O																													
Elective	4	1		C01	Geneticline of the world		1	1	30	2	O																													
Elective	4	1		C03	Antarctic marine resources		1	1	60	3	O																													
Elective	4	1		C04	Fishes in estuaries		1	1	60	3	O																													
Elective	4	1		C05	Aquatic ecotoxicology		1	1	60	3	O																													
Elective	4	1		C06	Fisheries management and new fish catching te		1	1	30	2	O																													
Elective	4	1		C08	Fish conservation in Poland and in the world		1	1	60	3	O																													
Elective	4	1		C09	Conservation genetics		1	1	60	3	O																													
Elective	4	1		C10	Angiosperms and macrophytotechnology		1	1	60	3	O																													
Elective	4	1		C04	Aquaponics		1	1	30	2	O																													
Elective	4	1		C05	Bioinformatics		1	1	60	3	O																													
Elective	4	1		C04	Processing of seafood by-products		1	1	60	3	O																													
Elective	4	1		C06	Utilisation of seafood by-products		1	1	60	3	O																													
Elective	4	1		C06	Biophysics and membrane technology		1	1	60	3	O																													
Elective	4	1		C07	Ichthyology		1	1	30	2	O																													
Elective	10	1		P01	Practics (Fisheries)		0	1	0	0	O																													
Elective	10	1		P04	Practics (Aquaculture)		0	1	0	0	O																													
Elective	10	1			Electives 10		1	1	30	2	O																													
Elective	10	1			Electives 11		1	1	30	2	O																													
						Total	10	1	210	14			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10			10	150	10	
							30	4	1185	83	90	0	30	450	30	0	0	30	450	30	0	0	30	450	30	0	0	30	450	30	0	0	30	450	30	0	0	30	450	30	0