

Name	Form of assessment							Credits	Total academic hours						Year 1		Year 2		Year 3		Year 4		Assigned department	
	Examination	Pass/fail test	Pass/fail exam with a grade	Term project	Course work	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Classroom	Self-study	Control	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code	Name
Unit 1. Disciplines (modules)								204	7344	3405.4	2992	2964.35	974.25	28	26	27	24	30	21	26	22			
Core part								108	3888	1906.65	1662	1497.6	483.75	8	22	21	16	8	9	6				
Socio-humanitarian module	1157	2						21	756	317.5	240	319.25	119.25	26	2	4		2	3	2				
History (history of Russia, general history)								4	144	48.25	30	53	42.75	4								71	Department of History	
Philosophy	3							4	144	48.25	30	53	42.75			4						72	Department of Philosophy and Culturology	
Basics of sociocultural communication	11	2						6	216	96.45	90	119.55		4	2									
Culturology and intercultural communication		1						2	72	32.15	30	39.85		2								72	Department of Philosophy and Culturology	
Psychology of communications		1						2	72	32.15	30	39.85		2								73	Department of Social sciences, pedagogy and law	
Social science			2					2	72	32.15	30	39.85			2							73	Department of Social sciences, pedagogy and law	
Law		5						2	72	32.15	30	39.85					2					73	Department of Social sciences, pedagogy and law	
Economics		6						3	108	48.25	30	26	33.75					3				54	Department of Economic theory and instrumental methods	
Economy and management in an enterprise		7						2	72	44.15	30	27.85								2		51	Radeaga Economics and finances	
Module "Basics of business communications"	123	24						10	360	216.75	206	143.25		2	4	2	2							
Russian language and culture of speech		2						2	72	32.15	30	39.85										55	Department of Russian language	
Foreign language		13	24					8	288	184.6	176	103.4		2	2	2	2					45	Department of Foreign languages	
Module "Physical education and sport"	16							2	72	32.3	32	39.7		1					1					
Basics of PE		1						1	36	16.15	16	19.85		1								56	Department of Physical education	
Physical self-perfection		6						1	36	16.15	16	19.85						1				56	Department of Physical education	
Mathematical and natural science module	11223	1		4	1122			36	1296	608.6	552	457.9	229.5	15	14	3	4							
Biology		1						2	72	46.15	44	25.85		2								44	Department of Water bioresources and aquaculture	
Chemistry	1				1			4	144	64.55	60	36.7	42.75	4								35	Department of Chemistry	
Informatics	1							4	144	48.25	44	53	42.75	4								13	Department of Applied mathematics and information technologies	
Mathematics	2		1			12		6	216	111	90	71.25	33.75	3	3							13	Department of Applied mathematics and information technologies	
Geography	2	1						5	180	66.4	60	79.85	33.75	2	3							44	Department of Water bioresources and aquaculture	
Geology		2						2	72	46.15	44	25.85						2				44	Department of Water bioresources and aquaculture	
Physics	2				2			4	144	64.55	60	36.7	42.75									25	Department of Physics	
Information technology		2						2	72	48.15	46	23.85					2					44	Department of Water bioresources and aquaculture	
Mathematical modelling		3						3	108	46.15	44	61.85					3					44	Department of Water bioresources and aquaculture	
Methods of scientific research		4			4			4	144	67.25	60	43	33.75					4				44	Department of Water bioresources and aquaculture	
Module "Safe living environment"	4							4	144	64.25	60	46	33.75								4			
Life safety	7							4	144	64.25	60	46	33.75								4		42	Department of Technosphere safety and environmental management
General professional module	334	2355	3		334			24	864	434.5	390	328.25	101.25		2	12	4	6						
Soil science		2						2	72	48.15	46	23.85			2							33	Department of Agronomy and agroecology	
General ecology	3				3			4	144	67.25	60	43	33.75				4					44	Department of Water bioresources and aquaculture	
Geoinformation systems in ecology and environmental management	3							2	72	46.15	44	25.85					2					44	Department of Water bioresources and aquaculture	
Theory of atmosphere			3					2	72	48.15	46	23.85					2					44	Department of Water bioresources and aquaculture	
Theory of hydrosphere	3				3			4	144	67.25	60	43	33.75				4					44	Department of Water bioresources and aquaculture	
Theory of biosphere	4				4			4	144	67.25	60	43	33.75				4					44	Department of Water bioresources and aquaculture	
Human ecology	5							3	108	44.15	30	63.85					3					44	Department of Water bioresources and aquaculture	
Social ecology	5							3	108	46.15	44	61.85					3					44	Department of Water bioresources and aquaculture	
Professional module	44466							11	396	232.75	182	163.25					6		5					
Geocology	4							2	72	48.15	46	23.85					2					44	Department of Water bioresources and aquaculture	
Landscape study	4							2	72	46.15	44	25.85					2					44	Department of Water bioresources and aquaculture	
Biodiversity	4							2	72	46.15	30	25.85					2					44	Department of Water bioresources and aquaculture	
Environmental epidemiology	6							3	108	46.15	30	61.85						3				44	Department of Water bioresources and aquaculture	
Legal basis of environmental management	6							2	72	46.15	32	25.85						2				44	Department of Water bioresources and aquaculture	
Part formed by the ducational process participants								96	3456	1498.75	1330	1466.75	490.5	2	4	6	8	22	12	20	22			
General professional module (B)	23455	345	1		25			30	1080	449.85	388	443.4	186.75		2	4	6	6	12					
Introduction to profession			1					2	72	44.15	30	27.85		2			6	6	12			44	Department of Water bioresources and aquaculture	
Biological systems	2				2			4	144	51.25	44	50	42.75			4						44	Department of Water bioresources and aquaculture	
Theory of evolution		3						2	72	32.15	30	39.85					2					44	Department of Water bioresources and aquaculture	
Environmental geochemistry	3							4	144	48.25	44	53	42.75				4					44	Department of Water bioresources and aquaculture	
Nature mapping		4						2	72	46.15	44	25.85					2					44	Department of Water bioresources and aquaculture	
Biogeography	4							4	144	48.25	30	62	33.75				4					44	Department of Water bioresources and aquaculture	
Sustainable development	5							4	144	64.25	60	46	33.75				4					44	Department of Water bioresources and aquaculture	
Fundamentals of environmental management	5				5			5	180	67.25	60	79	33.75				5					44	Department of Water bioresources and aquaculture	
Environmental protection		5						3	108	48.15	46	59.85					3					44	Department of Water bioresources and aquaculture	
Professional module (B)	55678	66677			5			36	1296	643.3	578	483.95	168.75				10	10	10	10	6			
Ecology of organisms	5				5			5	180	67.25	60	79	33.75				5					44	Department of Water bioresources and aquaculture	
Applied ecology	5							5	180	80.25	76	66	33.75				5					44	Department of Water bioresources and aquaculture	
Ecology of hydrobiotics	6							4	144	64.25	60	46	33.75					4				44	Department of Water bioresources and aquaculture	
Environmental impact assessment		6						2	72	46.15	44	25.85					2					44	Department of Water bioresources and aquaculture	
Urbanistics		6						2	72	46.15	44	25.85						2				44	Department of Water bioresources and aquaculture	
Environmental economics		6						2	72	44.15	30	27.85						2				51	Department of Economics and finances	
Environmental monitoring		7						2	72	46.15	30	25.85							2			44	Department of Water bioresources and aquaculture	
Regulation and reduction of environmental pollution		7						2	72	46.15	44	25.85							2			44	Department of Water bioresources and aquaculture	
Coastal studies		7						2	72	32.15	30	39.85							2			44	Department of Water bioresources and aquaculture	
Global and regional problems of environmental management	7							4	144	64.25	60	46	33.75							4		44	Department of Water bioresources and aquaculture	
Technogenic systems and ecological risk		8						2	72	36.15	34	35.85									2	44	Department of Water bioresources and aquaculture	

Water management		8						3	108	46.15	44	61.85							3	44	Department of Water bioresources and aquaculture		
Elective module 2. Coastal zone management	7788	88			78			26	936	341.3	304	459.7	135						10	16			
Fundamentals of coastal zone management	7				7			5	180	67.25	60	79	33.75							5	44	Department of Water bioresources and aquaculture	
"M2" sanitary hydrobiology	7							5	180	50.25	46	96	33.75							5	44	Department of Water bioresources and aquaculture	
Regional and sectoral environmental management	8				8			5	180	73.25	66	73	33.75								5	44	Department of Water bioresources and aquaculture
Coastal zone management	8							5	180	58.25	44	88	33.75								5	44	Department of Water bioresources and aquaculture
Sanitary hydraulic engineering		8						3	108	46.15	44	61.85									3	44	Department of Water bioresources and aquaculture
Coastal protection		8						3	108	46.15	44	61.85									3	44	Department of Water bioresources and aquaculture
Unit 2. Practical training								30	1080	1080				6		9				9		6	
Core part								30	1080	1080				6		9				9		6	
Academic training								15	540	540				6		9							
Scientific research work								2	216	216				6								44	Department of Water bioresources and aquaculture
Scientific research work								4	324	324						9						44	Department of Water bioresources and aquaculture
On-the-job training								68	15	540	540									9		6	
Technological practice								6	324	324										9		44	Department of Water bioresources and aquaculture
Pregraduation practice								8	216	216											6	44	Department of Water bioresources and aquaculture
Unit 3. State final examination								6	216				216								6		
Preparation for the defense procedure and defense of the final qualification work								6	216				216								6	44	Department of Water bioresources and aquaculture
Elective courses								11	396	160.75	144	235.25								2	2	5	2
Information and bibliographic culture		3						2	72	16.15	16	55.85								2			
Research seminar		5						2	72	30.15	30	41.85											
Volunteer activities and interaction with socially oriented non-profit organizations		7						3	108	34.15	18	73.85									3		
Practice-oriented course "Internet of things"		7	8					4	144	80.3	80	63.7									2	2	
Elective disciplines (modules) in Physical education and sport								330	330	330													
Module "Physical education and sport" (B)		246						330	330	330													
Practical training in PE and sport (elective course)		246						330	330	330												56	Department of Physical education