

Name	Forms of interim assessment						Credits	Total academic hours				Year 1		Year 2		Year 3		Year 4		Assigned department	
	Examination	Pass/fail exam	Pass/fail exam with a grade	Course work	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Self study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7		
													Credits	Credits	Credits	Credits	Credits	Credits	Credits	Credits	Code
Unit 1.Disciplines (modules)							210	7560	3672.25	3053.75	834	28	32	29	25	29	25	30	12		
Core part							124	4464	2136.5	1910.5	417	28	32	29	21	3	3	4	4		
Basis of the university	1	1111134	22244				32	1152	710.05	407.2	34.75	15	7	2	8						
History of Russia		1	2				4	144	140.3	3.7		2	2							71	Department of History
Basics of Russian statehood		1					2	72	59.15	12.85		2								73	Department of Social sciences, pedagogy and law
Legal competence and civil position		1					2	72	35.15	36.85		2								73	Department of Social sciences, pedagogy and law
Philosophy	1						4	144	36.25	73	34.75	4								72	Department of Philosophy and cultural studies
Basics of self-organization, team building and leadership			2				3	108	70.15	37.85			3							52	Department of Management
Life safety			4				4	144	70.15	73.85					4					42	Department of Technosphere safety and environmental management
Pe and sport		4					2	72	16.15	55.85					2					56	Department of PE
Economic culture		1					3	108	70.15	37.85		3								51	Department of Economics and finances
Foreign language		13	24				8	288	212.6	75.4		2	2	2	2						
Foreign language		13	24				8	288	212.6	75.4		2	2	2	2					45	Department of Foreign languages
Foreign language: Russian as a foreign language		13	24				8	288	212.6	75.4		2	2	2	2					55	Department of Russian language
Digital module	2	1	3				9	324	160.55	128.7	34.75	2	4	3							
IT and basics of programming	2	1					6	216	107.4	73.85	34.75	2	4							13	Department of Applied mathematics and Information technologies
Data analysis and artificial intelligence			3				3	108	53.15	54.85				3						13	Department of Applied mathematics and Information technologies
Project module		3	4				5	180	75.3	104.7					3	2					
Social project "Service-learning"		3					3	108	35.15	72.85					3					51	Department of Economics and finances
Basics of project activity			4				2	72	40.15	31.85						2				73	Department of Social sciences, pedagogy and law
Mathematics and science module	112334		2	3	112		38	1368	590.55	568.95	208.5	11	8	15	4						
Higher mathematics	12				12		9	324	143.1	111.4	69.5	5	4							13	Department of Applied mathematics and Information technologies
Chemistry	1				1		6	216	71.55	109.7	34.75	6								35	Department of Chemistry
Ecological geography	3		2	3			11	396	180.4	180.85	34.75		4	7						44	Department of Water bioresources and aquaculture
Biology and evolution of living things	3						8	288	124.25	129	34.75			8						44	Department of Water bioresources and aquaculture
Biometrics	4						4	144	71.25	38	34.75				4					44	Department of Water bioresources and aquaculture
Module of field subjects	2348	2	4567				36	1296	529.75	627.25	139		11	4	7	3	3	4	4		
Ecology	2						8	288	71.25	182	34.75		8							44	Department of Water bioresources and aquaculture
Spatial analysis of environmental information	3	2					7	252	107.4	109.85	34.75		3	4						44	Department of Water bioresources and aquaculture
Modeling of anthropogenic impact on the environment	4						4	144	71.25	38	34.75				4					44	Department of Water bioresources and aquaculture

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Scientific basis for biodiversity conservation			4				3	108	53.15	54.85					3					44	Department of Water bioresources and aquaculture
Legal basis for environmental management			56				6	216	106.3	109.7						3	3			44	Department of Water bioresources and aquaculture
Application software for environmental activities			7				4	144	53.15	90.85								4		44	Department of Water bioresources and aquaculture
Environmental monitoring	8						4	144	67.25	42	34.75								4	44	Department of Water bioresources and aquaculture
Self-development module (elective disciplines)		23					4	144	70.3	73.7			2	2							
Psychology of communication (Spring)		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Psychology of communication (Autumn)		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Personal marketing and branding (Spring)		2					2	72	35.15	36.85			2							52	Department of Management
Personal marketing and branding (Autumn)		3					2	72	35.15	36.85				2						52	Department of Management
Cultural studies and intercultural communication (Spring)		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Cultural studies and intercultural communication (Autumn)		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Human and society (Spring)		2					2	72	35.15	36.85			2							73	Department of Social sciences, pedagogy and law
Human and society (Autumn)		3					2	72	35.15	36.85				2						73	Department of Social sciences, pedagogy and law
Organization of volunteer activities (Spring)		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Organization of volunteer activities (Spring)		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		2					2	72	35.15	36.85			2							72	Department of Philosophy and cultural studies
Basics of critical thinking (Spring)		3					2	72	35.15	36.85				2						72	Department of Philosophy and cultural studies
Environmental culture (Spring)		2					2	72	35.15	36.85			2							44	Department of Water bioresources and aquaculture
Environmental culture (Autumn)		3					2	72	35.15	36.85				2						44	Department of Water bioresources and aquaculture
Skills of effective recruitment (Spring)		2					2	72	35.15	36.85			2							52	Department of Management
Skills of effective recruitment (Autumn)		3					2	72	35.15	36.85				2						52	Department of Management
Personal financial management (Spring)		2					2	72	35.15	36.85			2							51	Department of Economics and finances
Personal financial management (Autumn)		3					2	72	35.15	36.85				2						51	Department of Economics and finances
Basics of modern management (Spring)		2					2	72	35.15	36.85			2							52	Department of Management
Basics of modern management (Autumn)		3					2	72	35.15	36.85				2						52	Department of Management
Internet of things (Spring)		2					2	72	35.15	36.85			2							11	Department of Digital systems and automatics
Internet of things (Autumn)		3					2	72	35.15	36.85				2						11	Department of Digital systems and automatics
Starting your own business. Start-up (Spring)		2					2	72	35.15	36.85			2							51	Department of Economics and finances
Starting your own business. Start-up (Autumn)		3					2	72	35.15	36.85				2						51	Department of Economics and finances
Business communication in Russian (Spring)		2					2	72	35.15	36.85			2							55	Department of Russian language
Business communication in Russian (Autumn)		3					2	72	35.15	36.85				2						55	Department of Russian language
Differential equations (Spring)		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Differential equations (Autumn)		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Numerical methods (Spring)		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Numerical methods (Autumn)		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies

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Optimization methods and games theory (Spring)		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Optimization methods and games theory (Autumn)		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Spring)		2					2	72	35.15	36.85			2							13	Department of Applied mathematics and Information technologies
Theory of functions of a complex variable (Autumn)		3					2	72	35.15	36.85				2						13	Department of Applied mathematics and Information technologies
Applied statistics (Spring)		2					2	72	35.15	36.85			2							54	Department of Applied mathematics and Information technologies
Applied statistics (Autumn)		3					2	72	35.15	36.85				2						54	Department of Applied mathematics and Information technologies
Chemistry basis of modern technologies (Spring)		2					2	72	35.15	36.85			2							35	Department of Chemistry
Chemistry basis of modern technologies (Autumn)		3					2	72	35.15	36.85				2						35	Department of Chemistry
Chemistry of polymers (Spring)		2					2	72	35.15	36.85			2							35	Department of Chemistry
Chemistry of polymers (Spring)		3					2	72	35.15	36.85				2						35	Department of Chemistry
Basics of engineering mechanics (Spring)		2					2	72	35.15	36.85			2							24	Department of Theory of mechanisms and machines and machine parts
Basics of engineering mechanics (Autumn)		3					2	72	35.15	36.85				2						24	Department of Theory of mechanisms and machines and machine parts
Applied nutritiology (Spring)		2					2	72	35.15	36.85			2							31	Department of Food products technology
Applied nutritiology (Autumn)		3					2	72	35.15	36.85				2						31	Department of Food products technology
Part formed by the educational process participants							86	3096	1535.75	1143.25	417				4	26	22	26	8		
Vocational module	455566677788	56	566	5678			74	2664	1247.75	999.25	417				4	20	22	20	8		
Sustainable development of territories	45						9	324	160.5	94	69.5				4	5				44	Department of Water bioresources and aquaculture
Bioindication		5	6				8	288	140.3	147.7						4	4			44	Department of Water bioresources and aquaculture
Industrial ecology	56			5			8	288	128.5	90	69.5					4	4			44	Department of Water bioresources and aquaculture
Fundamentals of industrial environmental management	56			6			8	288	145.5	73	69.5					4	4			44	Department of Water bioresources and aquaculture
Methods for laboratory control of natural systems	6		5				7	252	141.4	75.85	34.75					3	4			44	Department of Water bioresources and aquaculture
Sustainable use of biological resources		6					3	108	53.15	54.85							3			44	Department of Water bioresources and aquaculture
Environmental toxicology			6				3	108	70.15	37.85							3			44	Department of Water bioresources and aquaculture
Ecoengineering	7			7			8	288	92.25	161	34.75							8		44	Department of Water bioresources and aquaculture
Environmental regulation	7						4	144	71.25	38	34.75							4		44	Department of Water bioresources and aquaculture
Environmental global studies	7						8	288	107.25	146	34.75							8		44	Department of Water bioresources and aquaculture
Environmental impact assessment	8						4	144	67.25	42	34.75								4	44	Department of Water bioresources and aquaculture
Waste management	8			8			4	144	70.25	39	34.75								4	44	Department of Water bioresources and aquaculture
Project module			57				12	432	288	144						6		6			
Project workshop 1			5				6	216	144	72						6					
Research track			5				6	216	144	72						6				86	Project center
Digital instruments			5				6	216	144	72						6				86	Project center
Technological track			5				6	216	144	72						6				86	Project center
Engineering track			5				6	216	144	72						6				86	Project center

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Service track			5				6	216	144	72					6				86	Project center	
Project workshop 2			7				6	216	144	72							6				
Research track			7				6	216	144	72							6		86	Project center	
Digital instruments			7				6	216	144	72							6		86	Project center	
Technological track			7				6	216	144	72							6		86	Project center	
Engineering track			7				6	216	144	72							6		86	Project center	
Service track			7				6	216	144	72							6		86	Project center	
Graduation thesis as a start-up			78				6	216	144	72							3	3	86	Project center	
Unit 2.Practical training							24	864	864					6		6		12			
Core part							24	864	864					6		6		12			
Academic practice			4				6	216	216					6							
Introductory practice			4				6	216	216					6					44	Department of Water bioresources and aquaculture	
Production practice			68				18	648	648							6		12			
Project module			6				6	216	216							6					
Technological practice			6				6	216	216							6			44	Department of Water bioresources and aquaculture	
Technological practice			8				12	432	432									12	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							6	216	105.45	110.55			4	2							
Elementary mathematics		2					2	72	35.15	36.85			2						13	Department of Applied mathematics and Information technologies	
The historical role of Russia in the system of international relations		2					2	72	35.15	36.85			2						71	Department of History	
The Great Patriotic War: no statute of limitations		3					2	72	35.15	36.85				2					71	Department of History	
Complex modules								436	334	102											
Module "Basics of military training"			5					108	78	30											
Module "Basics of military training"			5					108	78	30											
Basics of military training (Autumn)			5					108	78	30											
Basics of military training (Spring)			6					108	78	30											
Module "Physical education and sport"																					
Practical training in PE and sport (elective course)		13						328	256	72									56	Department of PE	