

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	Semester 8	Code	Name
							Credits						Credits	Credits	Credits	Credits	Credits	Credits	Credits			
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	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	

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 (Autumn)		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 (Autumn)		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
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					13	Department of Applied mathematics and Information technologies	
Applied statistics (Autumn)		3					2	72	35.15	36.85				2					13	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
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		

