

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 paper	Course work	Module test	Calculation and graphic work		Fact	As scheduled	Work with a teacher	Classroom	Self-study	Control	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8	Code	Name						
Unit 1.Disciplines (modules)									195	7020	3244	3244	2714.2	1061.8	27	24	23	28	26	19	27	21									
Core part									151	5436	2530.6	2530.6	2051.8	853.6	24	21	19	28	22	19	12	6									
Socio-humanitarian module									19	684	318.8	318.8	247.6	117.6	6		4		2	5	2										
History (history of Russia, general history)									4	144	48.8	48.8	53	42.2	4								71	Department of History							
Psychology									2	72	32.6	32.6	39.4		2								73	Department of Social sciences, pedagogy and law							
Philosophy									4	144	48.8	48.8	53	42.2			4						72	Department of Philosophy and Culturology							
Law									2	72	32.6	32.6	39.4					2				73	Department of Social sciences, pedagogy and law								
Economic theory									3	108	48.8	48.8	26	33.2					3				54	Department of Economic theory and instrumental methods							
Economy and management in an enterprise									7	272	44.6	44.6	27.4						2				51	Department of Economics and finances							
Management and marketing									6	272	62.6	62.6	9.4						2				52	Department of Management							
Module "Basics of business communications"									123	24					2	4	2	2													
Culture of speech and business communications									2	72	32.6	32.6	39.4			2								55	Department of Russian language						
Foreign language									13	24					2	2	2	2						45	Department of Foreign languages						
Module "Physical education and sport"									16	2	72	28.6	28.6	43.4	1				1												
Basics of PE									1	36	16.3	16.3	19.7	1									56	Department of Physical education							
Physical self-perfection									6	36	12.3	12.3	23.7						1				56	Department of Physical education							
Mathematical and natural science module									22	792	356.6	356.6	233.4	202	11	11															
Informatics									4	144	48.8	48.8	53	42.2	4									13	Department of Applied mathematics and information technologies						
Mathematics and mathematical statistics									2	216	113.4	113.4	69.4	33.2	3	3								13	Department of Applied mathematics and information technologies						
Chemistry									12	288	129.6	129.6	74	84.4	4	4								35	Department of Chemistry						
Physics									2	4	144	64.8	64.8	37	42.2		4								25	Department of Physics					
Module "Safe living environment"									4	144	64.8	64.8	46	33.2							4										
Life safety									3	7											4			42	Department of Technosphere safety and environmental management						
General professional module									23334	4556	13445	1	3	23445	6																
Introduction to professional activity									2	72	44.6	44.6	27.4		2										33	Department of Agronomy and agroecology					
Botanics									2	1	216	100.4	100.4	82.4	33.2	2	4									33	Department of Agronomy and agroecology				
Microbiology									3		108	34.8	34.8	40	33.2			3									44	Department of Water bioresources and aquaculture			
Land management with the basics of geodesy									3		144	54.8	54.8	56	33.2			4								33	Department of Agronomy and agroecology				
Agricultural ecology									3		108	37.8	37.8	37	33.2			3								33	Department of Agronomy and agroecology				
Agriculture									4	3			4				3	3							33	Department of Agronomy and agroecology					
Agrometeorology										4								2								33	Department of Agronomy and agroecology				
General soil science									4		180	81.8	81.8	65	33.2					5						33	Department of Agronomy and agroecology				
Plant physiology and biochemistry									5	4			5						3	3						33	Department of Agronomy and agroecology				
Phytopathology and entomology									5		144	64.8	64.8	46	33.2					4						33	Department of Agronomy and agroecology				
Plant growing									6	216	112.4	112.4	61.4	42.2					2	4						33	Department of Agronomy and agroecology				
Professional module									44566	24555	7788	4	56		47	1692	764	764	753	175		2		13	11	9	6	6			
Digital technologies in soil science and agrochemistry									2		72	48.6	48.6	23.4			2										33	Department of Agronomy and agroecology			
Agricultural radiology										4					3	108	44.6	44.6	63.4				3				33	Department of Agronomy and agroecology			
Amelioration											108	62.6	62.6	45.4					62.6			3				33	Department of Agronomy and agroecology				
Mechanization of plant growing									4		144	64.8	64.8	37	42.2					4							33	Department of Agronomy and agroecology			
Geology with the basics of geomorphology									4		108	50.8	50.8	24	33.2					3							33	Department of Agronomy and agroecology			
Soil geography										5					2	72	32.6	32.6	39.4			2					33	Department of Agronomy and agroecology			
Landscape science										5					2	72	46.6	46.6	25.4			2					33	Department of Agronomy and agroecology			
Agricultural soil science									5		180	83.8	83.8	63	33.2					5							33	Department of Agronomy and agroecology			
Methods of soil study									6		144	64.8	64.8	46	33.2						4						33	Department of Agronomy and agroecology			
Agrochemistry									6	5			6		7	252	110.4	110.4	108.4	33.2		2	5					33	Department of Agronomy and agroecology		
Soil mapping										7					3	108	42.6	42.6	65.4						3				33	Department of Agronomy and agroecology	
Methods of agrochemical studies										7					3	108	32.6	32.6	75.4						3				33	Department of Agronomy and agroecology	
Plant protection										8					3	108	32.6	32.6	75.4								3		33	Department of Agronomy and agroecology	
Systems of fertilizers										8					3	108	46.6	46.6	61.4								3		33	Department of Agronomy and agroecology	
Part formed by the educational process participants									44	1584	713.4	713.4	662.4	208.2	3	3	4			4			15	15							
Professional module (B)									37	1255			37		20	720	350	350	294.6	75.4	3	3	4		4		6				
Ecology of plants										1					3	108	46.6	46.6	61.4									33	Department of Agronomy and agroecology		
Basics of agricultural ecology										2					3	108	48.6	48.6	59.4			3						33	Department of Agronomy and agroecology		
Physico-chemical analysis methods									3				3		4	144	67.8	67.8	43	33.2			4						33	Department of Agronomy and agroecology	
Geographical chemistry of soils										5					2	72	46.6	46.6	25.4				2					33	Department of Agronomy and agroecology		
Research methodology										5					2	72	44.6	44.6	27.4				2					33	Department of Agronomy and agroecology		
Grassland farming with the basics of feed production									7				7		6	216	95.8	95.8	78	42.2						6		33	Department of Agronomy and agroecology		
Elective modules									7788	88			8		24	864	363.4	363.4	367.8	132.8						9	15				
Elective module 1. Soil resources management									7788	88			8		24	864	363.4	363.4	367.8	132.8							9	15			
Soils of the region									7						5	180	80.8	80.8	66	33.2						5			33	Department of Agronomy and agroecology	
Land resources management									8				8		5	180	73.8	73.8	73	33.2							5		33	Department of Agronomy and agroecology	
Agrochemical and egroecological assessment of soils									7						4	144	60.8	60.8	50	33.2					4				33	Department of Agronomy and agroecology	
Adaptive landscape farming systems									8						4	144	58.8	58.8	52	33.2							4			33	Department of Agronomy and agroecology
Soil remediation										8					3	108	44.6	44.6	63.4								3			33	Department of Agronomy and agroecology
Soil erosion										8					3	108	44.6	44.6	63.4									3		33	Department of Agronomy and agroecology
Elective module 2. Agroecology									7788	88			8		24	864	363.4	363.4	367.8	132.8						9	15				
Methods of ecological research									7						5	180	80.8	80.8	66	33.2						5			33	Department of Agronomy and agroecology	
Environmental protection and ecological expertise									8				8		5	180	73.8	73.8	73	33.2							5		33	Department of Agronomy and agroecology	
Agroecological problems of landscape design									7						4	144	60.8	60.8	50	33.2					4				33	Department of Agronomy and agroecology	
Agroecological monitoring									8						4	144	58.8	58.8	52	33.2							4			33	Department of Agronomy and agroecology
Silviculture and agroforestry										8					3	108	44.6	44.6	63.4								3			33	Department of Agronomy and agroecology
Recycling and use of agricultural waste										8					3	108	44.6	44.6	63.4									3		33	Department of Agronomy and agroecology
Unit 2.Practical training									39	1404	1404	1404				9			9			15				6					
Core part									39	1404	1404	1404				9			9			15				6					
Academic training									18	648	648	648				9			9												
Introductory practice											22				9	324	324	324			9										
Part 1 "Basics of agronomy"										2					3	108	108	108			3								33	Department of Agronomy and agroecology	
Part 2 "Botanics and introduction to profession"										2					6	216	216	216			6								33	Department of Agronomy and agroecology	
Technological practice										4					9	324	324	324				9							33	Department of Agronomy and agroecology	
On-the-job training									68						21	756	756	756						15			6				
Technological practice										6					15	540	540	540						15					33	Department of Agronomy and agroecology	
Research work										8					6	216	216	216									6		33	Department of Agronomy and agroecology	
Unit 3. State final examination									6	216					216												6				
Execution and defense of the final qualification work															6	216											6	33	Department of Agronomy and agroecology		
Elective courses									8	288	128.4	128.4	159.6					2			2			2							
Research seminar										5					2	72	30.6	30.6	41.4				2								
Information and bibliographic culture										3					2	72	16.6	16.6	55.4			2									
Practice-oriented course "Internet of things"										7	8				4	144	81.2	81.2	62.8						2		2				
Elective disciplines (modules) in Physical education and sport															330	330	330														
Module "Physical education and sport" (B)									246						330	330	330														
Physical self-perfection															330	330	330														