-	-	-	-	Form of control						number of credits		Total number of acad.hours						1st year		2nd Year		3rd Year		4th Year		Responsible academic department	
																		1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester		
To consider in the plan	Index	Name	Box/part	Examination	Credit	Graded test	Term project	Course work	Review work	Expert	Fact	Expert	According to plan	Auditorium hours	AUD.	Solo work	Reviewv work	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	Code	Name
Box 1.Discipline (modules)																											
Mandatory part																											
+	B1.O. 01	**Socio-humanitarian module**	**B1.O**	**123**	**13**	**5**				19	**19**	**684**	**684**	**298.2**	**210**	**259.2**	**126.6**	6	4	7		2					
+	B1.O.01.01	History	B1.O	1						4	4	144	144	48.8	30	53	42.2	4								71	History
+	B1.O.01.02	Economic theory	B1.O	2						4	4	144	144	78.8	60	23	42.2		4							64	Economic theory
+	B1.O.01.03	Philosophy	B1.O	3						4	4	144	144	48.8	30	53	42.2			4						72	Philosophy and cultural studies
+	B1.O.01.04	Economics a firm (an enterprise)	B1.O		3					3	3	108	108	44.6	30	63.4				3						63	Economics of agriculture and fishery
+	B1.O.01.05	Management	B1.O			5				2	2	72	72	44.6	30	27.4						2				61	Production management
+	B1.O.01.06	Jurisprudence and law	B1.O		1					2	2	72	72	32.6	30	39.4		2								75	Social sciences, pedagogy and law
+	B1.O.02	**Module "Fundamentals of business communication"**	**B1.O**		**13**	**24**				8	**8**	**288**	**288**	**186.4**	**176**	**101.6**		2	2	2	2						
+	B1.O.02.01	Foreign language	B1.O		13	24				8	8	288	288	186.4	176	101.6		2	2	2	2					73	Foreign languages
+	B1.O.03	**Module "Physical culture and sport"**	**B1.O**		**16**					2	**2**	**72**	**72**	**32.6**	**32**	**39.4**		1					1				
+	B1.O.03.01	Basics of physical culture	B1.O		1					1	1	36	36	16.3	16	19.7		1								74	Physical culture
+	B1.O.03.02	Physical self-improvement	B1.O		6					1	1	36	36	16.3	16	19.7							1			74	Physical culture
+	B1.O.04	**Physical and mathematical module**	**B1.O**	**1233**				**3**	**123**	21	**21**	**756**	**756**	**316,2**	**254**	**280**	**159.8**	6	7	8							
+	B1.O.04.01	Mathematics	B1.O	12					12	13	13	468	468	185.6	148	198	84.4	6	7							81	Calculus
+	B1.O.04.02	Probability theory and mathematical statistics	B1.O	3					3	4	4	144	144	62.8	46	39	42.2			4						81	Calculus
+	B1.O.04.03	Discrete mathematics	B1.O	3				3		4	4	144	144	67.8	60	43	33.2			4						53	Control systems and computer systems
+	B1.O.05	**Module "Safe conditions of vital activities"**	**B1.O**	**7**						4	**4**	**144**	**144**	**62.8**	**60**	**39**	**42.2**							4			
+	B1.O.05.01	Life safety	B1.O	7						4	4	144	144	62.8	60	39	42.2							4		23	Life safety
+	B1.O.06	**General professional module**	**B1.O**	**1224456566**	**133**	**56**	**6**	**24556**		68	**68**	**2448**	**2448**	**1050.6**	**886**	**927**	**470.4**	7	8	5	12	12	24				
+	B1.O.06.01	**Information systems and technologies**	**B1.O**	**12**	**3**					11	**11**	**396**	**396**	**189,2**	**150**	**122,4**	**84.4**	4	4	3							
+	B1.O.06.01.01	Information systems and technologies	B1.O	12						8	8	288	288	142.6	120	61	84.4	4	4							53	Control systems and computer systems
+	B1.O.06.01.02	Intelligent information systems	B1.O		3					3	3	108	108	46.6	30	61.4				3						53	Control systems and computer systems
+	B1.O.06.02	**Algorithmization and programming**	**B1.O**	**244**	**13**			**24**		17	**17**	**612**	**612**	**265,6**	**240**	**228,8**	**117.6**	3	4	2	8						
+	B1.O.06.02.01	Programming	B1.O	2	1			2		7	7	252	252	116,4	106	93.4	42.2	3	4							53	Control systems and computer systems
+	B1.O.06.02.02	High-level programming technologies	B1.O	4	3			4		6	6	216	216	84,4	74	89.4	42.2			2	4					53	Control systems and computer systems
+	B1.O.06.02.03	Mathematical logic and theory of algorithms	B1.O	4						4	4	144	144	64.8	60	46	33.2				4					53	Control systems and computer systems
+	B1.O.06.03	Operating system	B1.O	4						4	4	144	144	62.8	46	48	33.2				4					53	Control systems and computer systems
+	B1.O.06.04	Theory of systems and system analysis	B1.O	5				5		4	4	144	144	65.8	46	36	42.2					4				53	Control systems and computer systems
+	B1.O.06.05	Data bases	B1.O	5				5		5	5	180	180	67.8	60	70	42.2					5				53	Control systems and computer systems
+	B1.O.06.06	Operations research and optimization methods	B1.O			5				3	3	108	108	46.6	44	61.4						3				53	Control systems and computer systems
+	B1.O.06.07	Information systems engineering	B1.O	6			6			5	5	180	180	68.8	60	69	42.2						5			53	Control systems and computer systems
+	B1.O.06.08	Project workshop	B1.O			6				4	4	144	144	62.6	60	81.4							4			53	Control systems and computer systems
+	B1.06.09	Computer systems, networks and telecommunications	B1.O	6						5	5	180	180	64.8	60	82	33.2						5			53	Control systems and computer systems
+	B1.O.06.10	Information security	B1.O	6						5	5	180	180	76.8	60	70	33.2						5			53	Control systems and computer systems
+	B1.O.06.11	Software engineering	B1.O	6				6		5	5	180	180	79.8	60	28	42.2						5			53	Control systems and computer systems
										122	*122*	*4392*	*4392*	*1946,8*	*1618*	*1646,2*	*799*	*22*	*21*	*22*	*14*	*14*	*25*	*4*			
The part formed by the participants of educational relations																											
+	B1.V. 01	**Social and humanitarian module (B)**	**B1.V**		**22**	**1**				6	**6**	**216**	**216**	**97.8**	**90**	**118.2**		2	4								
+	B1.V. 01.01	**Basics of socio-cultural communication**	**B1.V**		**22**	**1**				6	**6**	**216**	**216**	**97.8**	**90**	**118.2**		2	4								
+	B1.V.01.01.01	Sociology	B1.V			1				2	2	72	72	32.6	30	39.4		2								75	Social sciences, pedagogy and law
+	B1.V.01.01.02	Cultural studies and intercultural communication	B1.V		2					2	2	72	72	32.6	30	39.4			2							72	Philosophy and cultural studies
+	B1.V.01.01.03	Psychology of communication	B1.V		2					2	2	72	72	32.6	30	39.4			2							75	Social sciences, pedagogy and law
+	B1.V.02	**Module "Fundamentals of business communication"**	**B1.V**		**1**					2	**2**	**72**	**72**	**32.6**	**30**	**39.4**		2									
+	B1.V. 02.01	Russian language and culture of speech	B1.V		1					2	2	72	72	32.6	30	39.4		2								76	Russian language
+	B1.V.03	**Physical and mathematical module (B)**	**B1.V**	**3**	**23**	**44**			**23**	15	**15**	**540**	**540**	**269.2**	**242**	**228.6**	**42.2**		2	7	6						
+	B1.V. 03.01	Physics	B1.V	3	2				23	6	6	216	216	97.4	90	76.4	42.2		2	4						83	Physics
+	B1.V.03.02	Basics of electronics	B1.V		3					3	3	108	108	62.6	60	45.4				3						53	Control systems and computer systems
+	B1.V.03.03	Mathematical and simulation modeling	B1.V			4				3	3	108	108	48.6	46	59.4					3					53	Control systems and computer systems
+	B1.V.03.04	Research methods	B1.V			4				3	3	108	108	60.6	46	47.4					3					53	Control systems and computer systems
+	B1.V. 04	**Module "Safe conditions of vital activities"(B)**	**B1.V**		**5**					2	**2**	**72**	**72**	**44.6**	**30**	**27.4**						2					
+	B1.V.04.01	Ecology and environmental management	B1.V		5					2	2	72	72	44.6	30	27.4						2				11	Ichthyology and ecology
+	B1.V.05	**General professional module (Iп)**	**B1.V**	**47**		**1**		**7**		12	**12**	**432**	**432**	**201,2**	**150**	**155,4**	**75.4**	2			5			5			
+	B1.V.05.01	Introduction into a profession	B1.V			1				2	2	72	72	44.6	30	27.4		2								53	Control systems and computer systems
+	B1.V.05.02	Computers and peripheral items	B1.V	4						5	5	180	180	76.8	60	70	33.2				5					53	Control systems and computer systems
+	B1.V.05.03	Network information technologies	B1.V	7				7		5	5	180	180	79.8	60	58	42.2							5		53	Control systems and computer systems
+	B1.V. 06	**Module "Economics and Finance"**	**B1.V**	**578**	**68**	**55**		**78**		26	**26**	**936**	**936**	**416,8**	**340**	**392,6**	**126.6**					11	3	5	7		
+	B1.V.01.06.01	Economic statistics	B1.V			5				3	3	108	108	62.6	60	45.4						3				66	Instrumental methods in economics and management
+	B1.V.01.06.02	Taxes and taxation	B1.V			5				3	3	108	108	60.6	46	47.4						3				62	Sectoral and corporate finance
+	B1.V. 06.03	Basics of econometrics	B1.V		6					3	3	108	108	44.6	30	63.4							3			66	Instrumental methods in economics and management
+	B1.V. 06.04	Accounting	B1.V	5						5	5	180	180	92.8	74	45	42.2					5				65	Accounting, analysis and audit in industries and complexes
+	B1.V.06.05	Economic analysis of business activity	B1.V	7				7		5	5	180	180	67.8	60	70	42.2							5		65	Accounting, analysis and audit in industries and complexes
+	B1.V.06.06	Modeling of economic processes	B1.V	8				8		5	5	180	180	55.8	40	82	42.2								5	53	Control systems and computer systems
+	B1.V. 06.07	Economics and management of enterprise informatization	B1.V		8					2	2	72	72	32.6	30	39.4									2	53	Control systems and computer systems
+	B1.OD.01	**Optional disciplines B1.OD.1**	**B1.V**		**2**					2	**2**	**72**	**72**	**32.6**	**30**	**39.4**			2								
+	B1.OD.01.01	Development of fishery complex in Russia	B1.V		2					2	2	72	72	32.6	30	39.4			2							71	History
-	B1.OD.01.02	Development of the regional fishery complex	B1.V		2					2	2	72	72	32.6	30	39.4			2							71	History
+	B1.OD.02.	**Elective modules**	**B1.V**	**88**	**77788**		**8**			23	**23**	**828**	**828**	**356.6**	**298**	**405**	**66.4**							10	13		
+	B1.OD.02.01	**Optional module 1. Corporate information systems**	**B1.V**	**88**	**77788**		**8**			23	**23**	**828**	**828**	**356.6**	**298**	**405**	**66.4**							10	13		
+	B1.OD.02.01.01	Corporate Economics	B1.V		7					3	3	108	108	44.6	30	63.4								3		63	Economics of agriculture and fishery
+	B1.OD.02.01.02	Architecture and development of corporate information systems	B1.V	8	7		8			8	8	288	288	115.4	104	139.4	33.2							4	4	53	Control systems and computer systems
+	B1.OD.02.01.03	Software and information support of corporate information systems	B1.V	8	7					6	6	216	216	83.4	76	99.4	33.2							3	3	53	Control systems and computer systems
+	B1.OD.02.01.04	Security of corporate information systems	B1.V		8					3	3	108	108	56.6	44	51.4									3	53	Control systems and computer systems
+	B1.OD.02.01.05	Operation and maintenance of corporate information systems	B1.V		8					3	3	108	108	56.6	44	51.4									3	53	Control systems and computer systems
-	B1.OD.02.02.	**Optional module 2. Information systems of small and medium enterprises**	**B1.V**	**88**	**77788**		**8**			23	**23**	**828**	**828**	**320.6**	**274**	**441**	**66.4**							10	13		
-	B1.OD.02.02.01	Economics of small and medium enterprises	B1.V		7					3	3	108	108	44.6	30	63.4								3		63	Economics of agriculture and fishery
-	B1.OD.02.02.02	Architecture and development of information systems of small and medium enterprises	B1.V	8	7		8			8	8	288	288	111.4	100	143.4	33.2							4	4	53	Control systems and computer systems
-	B1.OD.02.02.03	Small and medium enterprises software and information support	B1.V	8	7					6	6	216	216	81.4	74	101.4	33.2							3	3	53	Control systems and computer systems
-	B1.OD.02.02.04	Information systems security of small and medium enterprises	B1.V		8					3	3	108	108	32.6	30	75.4									3	53	Control systems and computer systems
-	B1.OD.02.02.05	Information systems of small and medium enterprises operation and maintenance	B1.V		8					3	3	108	108	50.6	40	57.4									3	53	Control systems and computer systems
										88	*88*	*3168*	*3168*	*1451,4*	*1210*	*1406*	*310.6*	*6*	*8*	*7*	*11*	*13*	*3*	*20*	*20*		
										210	*210*	*7560*	*7560*	*3398,2*	*2828*	*3052,2*	*1109.6*	*28*	*29*	*29*	*25*	*27*	*28*	*24*	*20*		
Box 2.Practice																											
Mandatory part																											
+	B2.O. 01	**Study practice**	**B2.O**			**24**				9	**9**	**324**	**324**	**324**					3		6						
+	B2.O.01.01(Study practice)	Introductory practice	B2.O			24				9	9	324	324	324					3		6					53	Control systems and computer systems
+	B2.O. 02	**Industrial placement**	**B2.O**		**8**	**6**				9	**9**	**324**	**324**	**324**									6		3		
+	B2.O. 02.01(Industrial)	Technology (engineering and technology) practice	B2.O			6				6	6	216	216	216									6			53	Control systems and computer systems
+	B2.O.02.02(Scientific research (SR)	Research work	B2.O		8					3	3	108	108	108											3	53	Control systems and computer systems
										18	*18*	*648*	*648*	*648*					*3*		*6*		*6*		*3*		
The part formed by the participants of educational relations																											

-	-	-	-	Form of control						number of credits		Total number of acad.hours						1st year		2nd Year		3rd Year		4th Year		Responsible academic department	
																		1st semester	2nd semester	3rd semester	4th semester	5th semester	6th semester	7th semester	8th semester		
To consider in the plan	Index	Name	Box/part	Examination	Credit	Graded test	Term project	Course work	Review work	Expert	Fact	Expert	According to plan	Auditorium hours	AUD.	Solo work	Rewiew work	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	number of credits	Code	Name
+	B2.V. 01	**Industrial placement**	**B2.V**			**8**				3	**3**	**108**	**108**	**108**											3		
+	B2.B. 01.01(Externship)	Externship	B2.V			8				3	3	108	108	108											3	53	Control systems and computer systems
										3	*3*	*108*	*108*	*108*											*3*		
										21	*21*	*756*	*756*	*756*					*3*		*6*		*6*		*6*		
Box 3.State final attestation																											
+	B3.01	Writting and defence of final qualifying project (thesis)	B3							9	9	324	324				324								9	53	Control systems and computer systems
										9	*9*	*324*	*324*				*324*								*9*		
										9	*9*	*324*	*324*				*324*								*9*		
Optional courses (OC)																											
+	OC.01	Information and bibliographic culture	OC		2					2	2	72	72	16.6	16	55.4			2								
+	OC.02	Research seminar	OC		6					2	2	72	72	30.6	30	41.4							2				
										4	*4*	*144*	*144*	*47.2*	*46*	*96.8*			*2*				*2*				
										4	*4*	*144*	*144*	*47.2*	*46*	*96.8*			*2*				*2*				
Elective disciplines (modules) on physical culture and sport (ED on Ph C and S)																											
+	ED on Ph C and S..01	**Module "Physical culture and sport" (V)**	**OC on Ph C and S.**		**123456**							**330**	**330**	**330**	**330**												
+	ED on Ph C and S..01.01	Practical training in physical culture and sports (elective courses)	OC on Ph C and S.		123456							330	330	330	330											74	Physical culture
												330	*330*	*330*	*330*												
												330	*330*	*330*	*330*												