

EXPLOSIVES COURSE

№	Topics	Educational hours according to the plan				
		Total amount of hours	including			Chair
			Theoretical	Practical	Test	
CHAPTER 1						
1.1	Explosives, classification, the physical and chemical properties. Ways of demolishing. Their characteristics, advantages and disadvantages. Security rules at the different ways of demolishing.	2	2			Special anti-terrorist unit «Almaz»
1.2	Fire method for demolishing. Detonators. Their device and principle of action. Procedure for manufacturing incendiary tubes.	2	2			Special anti-terrorist unit «Almaz»
1.3	Electric method for demolishing. Detonators. Charts of electro-explosive networks and their calculation. Tools and supplies for the production of blasting.	2	2			Special anti-terrorist unit «Almaz»
1.4	Demolishing by <u>detonating</u> cord. Especially of initiation of detonating cord. Networks of detonating cord.	2	2			Special anti-terrorist unit «Almaz»
1.5	Fire method for demolishing. Manufacture of fire-tubes. Demolition of individual charges.	8		8		Special anti-terrorist unit «Almaz»
1.6	Electric method for demolishing. Electro-explosive networks. Making of electro-explosive networks. Demolition of charges.	8		8		Special anti-terrorist unit «Almaz»
1.7	Demolishing by detonating cord. Compiling and binding of networks from detonating cord. Demolishing of charges by detonating cord.	8		8		Special anti-terrorist unit «Almaz»
1.8	Fire method for demolishing. Electric method for	8			8	Special

	demolishing. Demolition by detonating cord.					anti-terrorist unit «Almaz»
	Total:	40	8	24	8	
CHAPTER 2						
2.1	Calculation of charges for demolishing of the structures of wood, iron, concrete. Examples on all types of calculations.	8	8			Special anti-terrorist unit «Almaz»
2.2	Concentrated charges. Characteristics, labeling, use, deactivation.	4	4			Special anti-terrorist unit «Almaz»
2.3	Shaped charges. Characteristics, labeling, use, deactivation.	4	4			Special anti-terrorist unit «Almaz»
2.4	Calculation of charges and demolition of wooden constructions.	8		8		Special anti-terrorist unit «Almaz»
2.5	Calculation of charges and demolition of metal constructions.	8		8		Special anti-terrorist unit «Almaz»
2.6	Calculation of charges and demolition of concrete constructions.	8		8		Special anti-terrorist unit «Almaz»
	Total:	40	16	24		
CHAPTER 3						
3.1	Artillery ammunition. Purpose, classification, technical characteristics, the labeling applied to accoutrement of explosives. Methods of destruction of ammunition, the quantity of necessary explosive material and places of its laying.	4	4			Special anti-terrorist unit «Almaz»
3.2	Mortar shells. Purpose, classification, technical characteristics, the labeling applied to	4	4			Special anti-

	accoutrement of explosives. Methods of destruction of ammunition, the quantity of necessary explosive material and places of its laying.					terrorist unit «Almaz»
3.3	Hand grenades. Purpose, classification, technical characteristics, labeling applied to accoutrement of explosives. Methods of destruction of ammunition, the quantity of necessary explosive material and places of its laying.	4	4			Special anti-terrorist unit «Almaz»
3.4	Shells of rifle-attached, heavy, hand-held anti-tank grenade launchers. Purpose, classification, technical characteristics, labeling applied to accoutrement of explosives. Methods of destruction of ammunition, the quantity of necessary explosive material and places of its laying.	4	4			Special anti-terrorist unit «Almaz»
3.5	Engineering ammunition (anti-tank mines). Purpose, classification, technical characteristics, labeling applied to accoutrement of explosives. Methods of disactivation, destruction of mines, the quantity of necessary explosive material and places of its laying.	4	4			Special anti-terrorist unit «Almaz»
3.6	Engineering ammunition (anti-personal mines). Purpose, classification, technical characteristics, labeling applied to accoutrement of explosives. Methods of disactivation, destruction of mines, the quantity of necessary explosive material and places of its laying.	4	4			Special anti-terrorist unit «Almaz»
3.7	Special warfare. Purpose and classification. Filling of special warfare. Technical characteristics. Order of application.	8	8			Special anti-terrorist unit «Almaz»
3.8	Industrial and improvised explosive devices, their classification. Trap mines and booby mines. Order of examination, localization and deactivation	4	4			Special anti-terrorist unit «Almaz»
3.9	Detectors, television screening systems, systems of endoscopes, x-ray screening systems, systems for remote removal of explosives.	4		4		Special anti-terrorist unit «Almaz»
	Total:	40	36	4		
CHAPTER 4						
4.1	Organization of search of explosive objects on the ground, evaluation of hazard rate, deactivation and	4	4			Special anti-

	destruction. Evaluation of the weight of the charge and the possible fragment dispersion depending on the bore of demolished ammunition.					terrorist unit «Almaz»
4.2	Tools and equipment used for the search of explosive objects, preparation for use and application.	4	4			Special anti-terrorist unit «Almaz»
4.3	Search and deactivation of engineering ammunition in field conditions.	8		8		Special anti-terrorist unit «Almaz»
4.4	Search and deactivation of artillery ammunition in field conditions.	8		8		Special anti-terrorist unit «Almaz»
4.5	Search and deactivation of mines, made on the basis of the artillery ammunition, on the road.	8		8		Special anti-terrorist unit «Almaz»
4.6	Search of explosive devices in a room. Their localization and deactivation. Demolishing of explosives.	8			8	Special anti-terrorist unit «Almaz»
	Total:	40	8	24	8	
	Total amount of hours:	160	68	76	16	