

Attachment 3rd		Subject program of first, second and third cycle of studies
1.	Headline of subjects	Computer Crime and Information Systems
2.	code	FBKN 17
3.	study program	graduate criminalist
4.	Organizer of the study program (unit or institute, department went)	Faculty for Security
5.	Degree (first, second, third cycle)	first
6.	Academic year / semester	8 semester
7	Number of ECTS credits	6
8	Teacher (mentor)	Professor. Dr . Svetlana Nikoloska
9	Prerequisites for enrollment the subject	yes
10	Objectives of study program (competencies)	Gain knowledge on the pop forms of computer crime, measures and actions to guide a procedure for clarification and verification of computer incident and procedure of providing electronic evidence through the application of information systems and technology, the role of information systems in the processing and analysis of computer data, computer data search, acting in providing electronic evidence and its application in the judiciary.
11	Content of study program	<p>1. familiarizing students with the curriculum, the term and definition of computer crime, criminological characteristics. International legal acts with particular reference to the Convention on Cyber Crime. Comparison of computer crimes in the penal laws of the several states.</p> <p>2 Criminal - legal regulation of cyber crime in the country, in the Criminal Code definition of RM of computer systems and computer data.</p> <p>3 Criminal characteristics and manifestations and forms of computer crime. Exploring crime with elements of abuse of human rights and freedoms, endangering safety, violation of secrecy of shipments, reputation, unauthorized wiretapping and audio recording, misuse of personal data - identity theft, copyright infringement id Other Related Rights piracy. Research of computer child pornography.</p> <p>4 Computer criminality- property damage and unauthorized entry into a computer system,</p>

		<p>computer fraud, making entry and computer viruses.</p> <p>5 investigation of computer crime against public finance and payment transactions - making and using false credit card, misuse of rights registered and protected inventions and topography of integrated circuits.</p> <p>6 Computer fakes</p> <p>7. Cyber terrorism and dissemination of racist and xenophobic material through computer systems</p> <p>8 team approach to research computer crime - the role of operative criminalist, the lawyer - Public Prosecutor and the expert - computer</p> <p>9 electronically evidence - term, security, process security selection, appropriate sampling, transport, reproduction and putting in a form acceptable to the judiciary</p> <p>10 Information systems and misuse of information systems in the performance of computer crimes.</p> <p>11 Procedure for extraction of electronic evidence and applying the standard procedures of extraction, transportation and storage of electronic evidence.</p> <p>12 Handling electronic evidence and forensic electronic evidence - computer forensics</p> <p>13 cooperation, coordination and exchange of information and clarification of the evidence of computer crime and cybercrime prevention</p> <p>14 Computer data entry, analysis, search</p> <p>15 The functioning of the information system between law enforcement agencies in the process of information exchange</p>			
12	Methods of Learning	Interactive education, student participation in research projects, independent study, preparation of seminar papers, essay, practical work etc..			
13	Total time engaged	100 hours			
14	Distribution of time engaged	<p>26 - lecturing</p> <p>39 – exercises</p> <p>55 - self-study</p> <p>10 - research projects</p> <p>20 - Seminar papers and essay</p>			
15	Forms of teaching activities	<table border="1"> <tr> <td>15.1</td> <td>Lectures - theoretical</td> <td>26</td> </tr> </table>	15.1	Lectures - theoretical	26
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			education	hours	
		15.2	Exercises (laboratory, auditory), seminars, teamwork	39 hours	
16.	Other forms of activities		16.1	project tasks	
			16.2	Individual tasks	
	Method of evaluating				
17.	17.1.	tests		80 points	
	17.2.	Seminar paper / project (presentation: written and oral)		10 points	
	17.3.	Activity and participation		10 points	
18	Criteria for evaluating (Points / Assessment)			From 0 to 50 points	5 (five) (F)
				From 51 to 61 points	6 (six) (E)
				From 61 to 70 points	7 (seven) (D)
				From 71 to 80 points	8 (eight) (C)
				From 81 to 90 points	9 (nine) (B)
				From 91 to 100 points	10 (ten) (A)
19.	Requirement for signature and final examination		Attending classes and exercises Seminar paper or essay		
20.	Language of instruction		Macedonian		
21	Method of monitoring the quality of teaching		Presentation of lesson with Power Point presentations Interactive teaching		
22.	literature				
	22.1.	compulsory literature			
		No..	authors	Title	Publisher / year
		1.	Nikoloska Svetlana	Research methodology of computer crime	Van Gog, Skopje, 2014
		2.	Petrovik Slobodan	police Informatics	Criminalistic - Police Academy, Belgrade, 2007
		3.	Tupanceski Nikola and Kiprijanoska Dragana	Basics of Macedonian Information Criminal Law	MRKPK, no. 2-3, Skopje 2008
		4.	Filip Rajkel	Transnational Crime and Justice	Data Pons, Skopje, 2009
		5.	Rejcel Boba	Criminalistic research	Nampres, 2010
		6.	Nikoloska Svetlana	Cyber crime as a serious security threat	Proceedings of the Scientific Conference, Faculty of Security, Skopje 2010
	7.	Nikoloska Svetlana	Computer crimes	Horizonti, Bitola, 2010	

			against freedoms and rights of citizens in the Republic of Macedonia		
	8.	Endru R.V.Dzekson & Dhuli M. Dhekson	Forensic science	Nampres, Skopje, 2009	
	9.	Stujart H. & Dhon Dh. Norbi	Forensic	Tabernakul, 2009	
	10.	C. Andreevski	Informatics	Faculty of tourism and hospitality	
	11.	D. Goldman	computer security	Translated from Government of RM	
	22.2.	additional literature			
		No.,	Authors	Title	
				Publisher / year	
		1.	Nikoloska Svetlana	Forensics and organized forms of economic and financial crime	A collection of papers, Kragujevac, 2009
		2.	Nikoloska S.	Computer crime as a serious security threat	Collection of Scientific - Professional Conference at the Faculty of Security, Skopje 2010.
		3.	Nikoloska S.	The creation and use of false payment cards as a form of mass computer crime in the Republic of Macedonia	Proceedings of the international friendly scientific and professional conferences, crime prevention and European integration, with reference to high-tech crime, College of Internal Affairs of the Republic of Serbian, Banja Luka, 2012th
		4.	Nikoloska S.	Opportunities for abuse of data in new technologies	Proceedings of the Faculty of security ,International Security conference in Ohrid, 2013
		5.	G. Diter	computer security	Translated from Government of RM