

## DESCRIPTION OF THE STUDY SUBJECT

### Title

<b>INFORMATION SECURITY</b>
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### Scope of the subject

Semester	Mode of study	Structure*				Total number of hours	Number of credits	Group and type of subjects
		L	Lw	C	S			
V	Full-time	20	13	6	39	78	3	Compulsory subjects of the study field
VII	Part-time	8	10	21	39	78	3	

\*L – lectures, PS – practical activities, seminars, LW – laboratory work, PR – practice, CP – course paper, C – consultations, S – self-study

### Aim of the subject

To provide knowledge about legal aspects of information security related to legal protection of privacy and personal data and knowledge of regulation of information security, to familiarise with security assurance possibilities.

### Necessary background knowledge for studying the subject

Students shall have heard subjects data transfer and management technologies, multimedia hardware.

### Content of the subject

Title of the topic and description of the content	Number of contact hours			S	Total number of hours
	L	Lw	C		
1. Principles, aims and objectives of security of electronic information.	1	-	-	1	2
2. Human rights and their protection on the Internet (the right to privacy, freedom of expression, etc.).	3	-	-	3	6
3. Cybercrime, regulation, prevention	1	-	-	1	2
4. Legal and practical regulation of application of information technologies and their use in the workplace.	1	1	1	1	4
5. Legal aspects of cybercrime, the need for investigation.	1	1	-	2	4
6. Symmetric and asymmetric cryptography.	1	2	1	3	7
7. OS systems security assurance.	3	3	-	2	8
8. Public and private key, digital signature, cloud computing security assurance.	2	1	1	2	6
9. Secure communication using digital signature, email, ftp.	2	1	1	2	6
10. Recovery of destroyed data and evidence.	2	2	-	2	6
11. Reserve data copying.	3	2	-	-	5
Individual work. Submission of the report on cybercrime investigation.	-	-	1	10	11
<b>Preparation and taking the exam</b>				1	10
<b>Total number of hours</b>	<b>20</b>	<b>13</b>	<b>6</b>	<b>39</b>	<b>78</b>

### Assessment of learning outcomes

Ten-point criteria-based assessment system as well as cumulative assessment using individual cumulative index (ICI) are applied. The overall grade is the sum of grades for the individual work (Iw) and exam (E) multiplied by weighted coefficients.  $ICI = 0,4 Iw + 0,6 E$ .

### Recommended literature

Key literature						
No.	Year of publishing	Author(s) and title of the publication	Publishing house	Number of copies and/or internet link		
				ŠSC library	Other premises	Other libraries *
1.	2005	Jarukaitis I., Lamanauskas T., Civilka M., Makauskaitė A. Elektroninių ryšių teisė	Eugrimas	2	-	6
2.	2004	Civilka M., Lamanauskas T., Sauliūnas D. Informacinių technologijų teisė	NVO teisės institutas	4	-	8
3.		Committee on Development and Intellectual Property		<a href="http://www.wipo.int/meetings/en/topic.jsp?group_id=241">http://www.wipo.int/meetings/en/topic.jsp?group_id=241</a>		
4.	2011	Skersys G. Informacijos sauga	Technologija	<a href="https://www.ebooks.ktu.lt/eb/237/informacijos-sauga/">https://www.ebooks.ktu.lt/eb/237/informacijos-sauga/</a>		
Additional literature						
No.	Year of	Author(s) and title of the publication		Publishing house and/or		

	<b>publishing</b>		<b>internet link</b>
1.	2015	Daugirdas D. Nuotolinis kursas – „Informacijos sauga“	<a href="https://moodle.svako.lt">https://moodle.svako.lt</a>
2.	2011	Šttilis D. Elektroniniai nusikaltimai: metodinė priemonė	Mykolo Romerio universiteto leidybos centras
3.	2010	Baltoji knyga - Kaip saugiai pirkti internetu. ENISA.	<a href="http://www.enisa.europa.eu/act/ar/deliverables/2010/how-to-shop-safely-online">http://www.enisa.europa.eu/act/ar/deliverables/2010/how-to-shop-safely-online</a>
4.	2006	Kiškis M., Petrauskas R., Rotomskis I., Šttilis D. Teisės informatika ir informatikos teisė: vadovėlis.	Mykolo Romerio universiteto leidybos centras
5.	2005	Tiažkijus V. Darbo teisė: teorija ir praktika	Justitia
6.	2004	Petrauskas R., Šttilis D. Kompiuteriniai nusikaltimai ir jų prevencija.	NVO Teisės institutas
7.	2003	Aiškinamasis raštas dėl Konvencijos dėl elektroninių nusikaltimų ratifikavimo	<a href="http://www3.lrs.lt/pls/inter3/dokpaieska.showdoc_1?p_id=223058">http://www3.lrs.lt/pls/inter3/dokpaieska.showdoc_1?p_id=223058</a>
8.	2002	Europos Parlamento ir Tarybos direktyva 2002/58/EB dėl asmens duomenų tvarkymo ir privatumo apsaugos elektroninių ryšių sektoriuje.	OL L 201, 2002 07 31, 37-47.
9.	2000	Lietuvos Respublikos asmens duomenų teisinės apsaugos įstatymas	Valstybės žinios, Nr. 64-1924.
10.	1995	Europos Parlamento ir Tarybos 1995 m. spalio 24 d. direktyva dėl asmenų apsaugos tvarkant asmens duomenis ir dėl laisvo tokių duomenų judėjimo 95/46/EB.	OL L 281, 1995 11 23,

\* ŠAVB – Šiauliai Region Povilas Višinskis Public Library, ŠU – library of Šiauliai University

#### **Required material resources and their short description**

- **Equipment (devices):** a computers (16 units), computers connected to the local network and connected to the Internet, multimedia projector, printer.
- **Software:** MS Office 2010 or later, OpenOffice.org 4.1 or later, MS Windows 7 or later. System Tools Hyena, Fixwin, HWiNFO and the like, network filtering means: K9 Web Protection, Squid and the like.

#### **The description prepared by:**

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