

DESCRIPTION OF STUDY COURSE

Course unit title	Information Security Methods and Techniques																
Programme	MBA in Cybersecurity Management																
Year of study	1.,2.																
Academic year	2022/2023																
Level of course unit (e.g. first, second or third cycle)	2nd cycle																
Course unit code	MKP007																
Name of lecturer(s)	Brigita Baltača, Sintija Deruma, N.Aizstrauts																
Number of ECTS credits allocated	6 ECTS <i>2 Latvian credit points are multiplied by 1,5 to get ECTS credit points</i>																
Credit points	4CP																
Module	Technical																
Language of instruction	English and Latvian																
Type of course unit (compulsory, optional)	compulsory																
Semester when the course unit is delivered	1.,2.,3.,4.																
Mode of delivery	face-to-face																
Aim of Course	to develop practical skills for incident investigation processes																
Preliminary knowledge (prerequisites and co-requisites)	Information security principles, problem solving																
Course content	Business research types; tools for information security monitoring; information gathering techniques; ROSI, security visualization solutions.																
Planned learning activities and teaching methods	<p>The student attends lectures, completes practical work, presents group and individual work.</p> <p>The total evaluation of the course consists of: 30% group work in classroom setting; 20% practical work in classroom setting; 20% group work completion and presentation; 30% individual work completion and presentation.</p> <table border="1" data-bbox="598 1512 1460 1814"> <thead> <tr> <th>Teaching methods</th> <th>Student workload</th> </tr> </thead> <tbody> <tr> <td>Lecture</td> <td>32</td> </tr> <tr> <td>Written group work</td> <td>16</td> </tr> <tr> <td>Seminars</td> <td>32</td> </tr> <tr> <td>Independent work/ work on a presentation</td> <td>48</td> </tr> <tr> <td>Work at the library, independent studies</td> <td>32</td> </tr> <tr> <td style="text-align: right;">total hours</td> <td>160</td> </tr> </tbody> </table>			Teaching methods	Student workload	Lecture	32	Written group work	16	Seminars	32	Independent work/ work on a presentation	48	Work at the library, independent studies	32	total hours	160
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Learning outcomes of the course unit	<p>The student:</p> <ol style="list-style-type: none"> 1. understands problem solving process; 2. is able to implement appropriate information gathering techniques; 3. is able to compare information security monitoring solutions. 																
Assessment methods and criteria	Learning outcomes	1.	2.	3.													

	The form of assessment			
	Written work in a classroom	•	•	
	Independent work and its presentation	•	•	•
	Written examination	•	•	•
Recommended or required reading	<p>1. Bryman, A. Business Research Methods. - Oxford : Oxford University Press, 2007. - 786 p. ISBN 9780199284986</p> <p>2. Introduction to Return on Security Investment - https://www.enisa.europa.eu/activities/cert/other-work/introduction-to-return-on-security-investment/at_download/fullReport.</p> <p>3. 4. E-apmācība internetā http://linuxcommand.org/index.php</p> <p>4. 6. Snort IDS and IPS Toolkit (Jay Beale's Open Source Security) Brian Caswell, Jay Beale, Andrew Baker 2007</p> <p>The effect of critical success factors on IT governance performance. Edephonc N. Nfuka and Lazar Rusu, Stockholm University, Stockholm, Sweden. Industrial Management & Data Systems, Vol. 111 No. 9, 2011, pp. 1418-1448</p> <p>Ontologies for information security management and governance. Edson dos Santos Moreira, Luciana Andre'ia Fondazzi Martimiano, Antonio Jose' dos Santos Branda~o and Mauro Ce'sar Bernardes Institute of Mathematics and Computer Sciences , Brazil Information Management & Computer Security, Vol. 16 No. 2, 2008, pp. 150-165</p> <p>Myers, M. Qualitative Research in Business and Management. - Los Angeles : Sage Publications, 2009, 284 p. ISBN 9781412921664, http://hbsp.harvard.edu/</p> <p>Achieving a competitive advantage through risk management - http://businesscasestudies.co.uk/alstom/achieving-a-competitive-advantage-through-risk-management/introduction.html</p>			
Recommended optional programme components	To be agreed at the start of the course.			