

Assessment and subject description

Obuda University Kandó Kálmán Faculty of Electrical Engineering		Institute of Communication Engineering		
Subject name and code: Data and information security KHTSV53ANC Credits: 4				
Full-time, Spring Semester				
Course: normal				
Responsible:	Dr. Beinschróth József University docent	Teaching staff:	Dombora Sándor Lecturer	
Prerequisites:	-			
Contact hours per week:2	Lecture:2	Class discussion:0	Lab hours:0	Tutorial:0
Assessment and evaluation:	Written examination			
Subject description				
<i>Aims: To realise theoretical knowledge regarding information security threats, protection of information security assets, planning of IT security and business continuity.</i>				
<i>Topics to be covered:</i>				
Topics			Week	Lessons
Basic concepts. IT security problems			1	2
Hungarian and international recommendations and regulations			2	2
Threatness of IT systems I.			3	2
Threatness of IT systems II.			4	2
Protection of IT systems I.			5	2
Protection of IT systems II.			6	2
Consultation/Intermediate exam/Student presentation			7	2
Planning of IT security			8	2
IT security audit			9	2
Dean's break			10	2
Business Continuity I.			11	2
Business Continuity II.			12	2
Consultation/Intermediate exam/Student presentation			13	2
Consultation/Supplementary. Intermediate exam/Student presentation			14	2
Assessment and evaluation:				
<p>1. Two 30 minutes intermediate written examination during semester (One supplementary examination allowed.).</p> <p style="padding-left: 20px;">1st examination topics: basic concepts, recommendations and regulations, threatness of IT systems, protection of IT systems</p> <p style="padding-left: 20px;">2nd examination topics: Planning and audit of IT security, business continuity</p> <p>2. Mandatory 10 minutes student presentation agreed with the professor – preparation from required material, schedule and topic planning 2nd week</p> <p>3. The final mark consist of (1st exam result + 2nd exam result + presentation)/3.</p> <p>4. Students should achieve at least 40% in each intermediate exam</p>				

Examination:		
Written examination covering the mentioned topics. Marking of the exam results:		
<ol style="list-style-type: none"> 1. result < 40% 2. 40 % <= result < 55% 3. 55 % <= result < 70% 4. 70 % <= result < 85% 5. 85 % <= result < 100% 		
Required material:		
ISACA: Cobit 5 (freely downloadable from isaca.com – requires registration) ENISA: https://www.enisa.europa.eu/publications/privacy-and-data-protection-by-design/at_download/fullReport Official Journal of European Union: REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, http://ec.europa.eu/justice/data-protection/reform/files/regulation_oj_en.pdf		
Suggested material: ISO 27000 standard		
Laboratory subjects	Week	Lessons
Assessment and evaluation:		
<ol style="list-style-type: none"> 1. Two intermediate examination during semester (One supplementary examination allowed.). 2. 10 minutes student presentation agreed with the professor 3. The final mark consist of (1st exam result + 2nd exam result + presentation)/3. 4. Students should achieve at least 40% in each intermediate exam 		
Marking of the exam results:		
<ol style="list-style-type: none"> 1. result < 40% 2. 40 % <= result < 55% 3. 55 % <= result < 70% 4. 70 % <= result < 85% 5. 85 % <= result < 100% 		
Examination:		
Written examination covering the whole topic		
Required material:		
ISACA: Cobit 5 ENISA: https://www.enisa.europa.eu/publications/privacy-and-data-protection-by-design/at_download/fullReport Official Journal of European Union: REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, http://ec.europa.eu/justice/data-protection/reform/files/regulation_oj_en.pdf		
Suggested material:		