

Assessment and subject description

Óbuda University Kandó Kálmán Faculty of Electrical Engineering		Institute of Communication Engineering		
Subject name and code: Data and information security Full-time, 6, 7 semester		KHAVAV1ABNE		Credits: 4
Course:				
Responsible:	Dr. Beinschróth József University docent	Teaching staff:	Dombora Sándor	
Prerequisites:				
Contact hours per week:	Lecture: 2	Class discussion: 0	Lab hours: 0	Tutorial: 0
Assessment and evaluation:	Written examination, Case study, Presentation			
<i>Subject description</i>				
<i>Aims:</i> To realise theoretical knowledge regarding information security threats, protection of information security assets, planning of IT security and business continuity.				
<i>Topics to be covered:</i>				
Topics			Week	Lessons
Basic concepts. IT security problems			1	2
Hungarian and international laws and regulations			2	2
Hungarian and international standards and frameworks			3	2
Threatness of IT systems I.			4	2
Threatness of IT systems II.			5	2
Protection of IT systems I.			6	2
Protection of IT systems II.			7	2
Consultation/Intermediate exam/Student presentation			8	2
Planning of IT security			9	2
IT security audit			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:				
1. Two 30 minutes intermediate written examination during semester (One supplementary examination allowed.). 1 st examination topics: basic concepts, recommendations and regulations, threatness of IT systems, protection of IT systems 2 nd examination topics: Planning and audit of IT security, business continuity				
2. Mandatory 10 minutes student presentation agreed with the professor – preparation from required material, schedule and topic planning 2 nd week				
3. Case study teamwork in groups				
4. The final mark consist of (1 st exam result + 2 nd exam result + presentation + case study)/4				
5. Students should achieve at least 40% in the intermediate exam				
Examination: Written examination covering the given topics. Marking of the 1 st and 2 nd intermediate exam results:				
		Cumulative score	Mark	
		85 – 100%	(5)	
		70 – 84%	(4)	
		55 – 69%	(3)	
		40 – 54%	(2)	
		0 – 39%	(1)	

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

Budapest, 10th February 2020.