Assessment and subject description

Óbuda University Kandó Kálmán Faculty of Electrical Engineering	Institute of Communication Engineering			
Subject name and code: **Data and information security** KHTSV54TND, KHVAV1ABNE Credits: 2				
Full-time, Autumn 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, Presentation			

Subject description		
Aims: To realise theoretical knowledge regarding information security threats, protection of information security assets, planning of IT security and business continuity.		
Topics to be covered:		

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
Student presentations/ Consultation (8)	7	2
Holiday	8	2
Planning of IT security	9	2
IT security audit	10	2
Holiday	11	2
Business Continuity I-II.	12	2
Intermediate exam/ Student presentations/ Consultation (5)	13	2
Supplementary exam/Student presentation (5)	14	2

Assessment and evaluation:

1. Each student must give a presentation about 10-15 minutes from an arbitrary information security topic. This can be a theoretical presentation, a case study, etc. Students can choose topics from the given literature, or any security breach – with defining the contexts, the case, what kind of protection measure were applied by the company, what did they do well and what did they miss and conclusions.
2. Registration of the topic should be done in Moodle, in the given section.
3. Students will write an online exam as a test on the 13th week.
4. There will be a Supplementary exam on the 14th week.
5. The final mark consist of (Exam result + mark on quality of the presentation)/2.

Examination:

Written examination covers the whole material.
Marking of the exam results:

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, ITIL V3