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, 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, 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	7	2
Planning of IT security	8	2
IT security audit	9	2
Business Continuity I.	10	2
Business Continuity II.	11	2
Student presentations/ Consultation	12	2
Exam	13	2
Supplementary exam/Student presentation	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 measures the company done, what they did well and what the missed and conclusions.
2. Registration of the topic should be don in Moodle, in the given section.
3. Students will write an online exam as a test on the 30th of November 2020.
3. The final mark consist of (Exam result + mark on quality of the presentation)/2.
4. Students should achieve at least 40% in each intermediate exam

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