

Course: Daily Information Security

4 credit units (ECTS)

Summary of tasks

START: Threshold by the 4th course day: find and report on a security awareness app. or quiz.

END: face-to-face discussion with one's own group and the teacher (week 8)

Tasks bound to a weekly schedule

Continuous tasks

averagely every other day
write a tweet about both:
(1) news about IS
(2) own IS act or observation
out of which publish ≥ 4.
= 24 + 24 tweets
during 7 weeks

Tasks bound to each
one's own week:
Initialize threads
Lead the discussion
Read book, answer, evaluate
Summarize discussions

Freely timed task: "hack"

Take a hacking exercise at your best level at one of
given www pages and write a report.
DL: at the end of the course.

Separate task: comprehend the prerequisite

Evaluate one page and one of its multiple choice questions
from the course #2

Visibility

A priori only to a group of 6–8 students.
Own IS diary only to oneself, except at least 4 to the world.
Prereq., book eval., and discussion summary to the course.
Book answer, PGP key, published observ. to the world.

Required

A priori all tasks
Mitigation:
counting of scores
own week's tasks
discussions, tweets (usually minuses; pluses available)
A couple of lacks go for free, some others with pluses.

compensation, max 2

for the exercises, including the hack: a task from a separate list, or tailor-made depending on case
one missing interviewee corresponds to one exercise
Customer service without a contacted person adds one interviewee.

Contemplate, find and deal with info =		Deal with people, gadgets, systems =	
week	Discussions	Exercises	
1	Own background and objectives Web achives and caches ...	Evaluate credibility of web pages PGP 1: install the program and create a key pair	pick real and fake ones from list
2	Own information security Own ethical questions Familiarization with the research task	PGP 2: obtain signatures for your key Invent and evaluate ways to create passwords	
3	Consequences of information crimes Ethical hacking Invent ideas beyond current research	PGP 3: use your key to send and receive email Research interview (at least two out of five)	
4	Immaterial rights (starting from one's own) (E) DRM protections and their weaknesses E Dubious web content	A Security practices of someone serving customers Configure a firewall (remaining research interviews)	choose from list of service types own netw. + alternatives
5	E Freedom of speech Experiences of web transactions Email spam	H Passwords from captured traffic (& identify attack) Security issues of self-made active web pages	sample PHP pages given + less & more complicated alternatives
6	R Businesses in information security Occupations in information security Analysis (I) of compiled research material	A Settings for WLAN security Evaluate recent security patches	(own netw. + alternatives) choose from list of programs
7	E A public service & a social media platform Information security in society R Analysis (II) of the research material	Security procedures for customer at an internet bank Security properties of a smart phone	choose a different bank choose a different phone

In the weekly schedule: E=ethics, A=awareness, H=hacking, R=research