IV2022 Security Management 15.0 credits

Security Management

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for IV2022 valid from Spring 2009

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

When the student has actively participated in the course, the student should be able to:

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1. choose and argument for relevant solutions based on specific security requirements

2. analyze and critically review given suggestions for various security solutions

3. based on his/her own assessment integrate different solutions for complex security requirements

4. within a group assignment apply and develop security requirements solutions for international organizations, based on a concrete business case

Course contents

• Corporate and IT governance
• Operative risk
• Risk tolerance and risk appetite
• Risk analysis and vulnerability assessment
• Security standards and framework
• Cost/benefit analysis
• Acceptance Criteria
• Education, motivation, ethical considerations and awareness

Disposition

Lectures (approx. 20 hours)
Seminars, attendance compulsory (approx. 15 hours)

Course literature

Preliminary:

• Alberts, Christopher et al: Managing Infomation Security Risks, Pearson Education Inc., 2002, 0-321-11886-3

• Stephen P. Robbins: Essentials of Organizational Behavior (Edition: edition 6, 7 or 8), Prentice Hall, 2002, 0-13-035309-4

Compendia

OECD Guidelines "Towards a Culture of Security" "Criminology in A NutShell" Bologna
The Manual is the Message
"A day in the life of an IT security Officer"

Examination

• PRO1 - Project, 7.5 credits, grading scale: P, F

• TEN1 - Examination, 7.5 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Project assignment, 50%.
Written exam, 50%.

Other requirements for final grade

The student needs to pass both the project assignment and the written exam. The final course grade is based on the grade of the written exam.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.