Department of Computer and Systems Sciences

Stockholm University

Syllabus

for course at advanced level

Security and Privacy in e-Government: IT, Laws and Ethics
Säkerhet och integritet i e-förvaltning: IT, lagstiftning och etik

7.5 Higher Education Credits
7.5 ECTS credits

Course code:	ML463C
Valid from:	Spring 2016
Date of approval:	2015-10-26
Department	Department of Computer and Systems Sciences
Main field:	Computer and Systems Sciences
Specialisation:	A1N - Second cycle, has only first-cycle course/s as entry requirements

Decision

This syllabus was approved by the Head of the Department 2015-10-26.

Prerequisites and special admittance requirements

Bachelor Degree of 180 ECTS or equivalent knowledge.

Course structure

Examination code	Name	Higher Education Credits
SGO1	Security and Privacy in e-Government, assignment 1	1.5
SGO2	Security and Privacy in e-Government, assignment 2	2
SGOT	Security and Privacy in e-Government, written exam	4

Course content

- Basic security principles in e-government
- Security in computer systems and e-services
- Security threats and attacks
- Methods and controls to prevent, detect and minimize security vulnerabilities
- Risk management
- Incident management
- Legal requirements for security and privacy regarding information management in complex systems and e-services.

Learning outcomes

Upon successful completion of the course, the student should be able to:
- Understand security requirements in complex systems and e-services
- Be aware of security threats and attacks
- Understand and manage security risks
- Be able to understand and handle security risks
- Evaluate and select controls to achieve security in complex systems and e-services
- Use the knowledge to establish and / or improve the security of systems and e-services.

Education

The language of instruction is English.
The teaching activities are distance-based and take place online.

Forms of examination

a. The course is examined through assignments and a written examination.

b. The final grading of the course is based on the following grading scale related to the learning outcomes of the course: A = Excellent, B = Very Good, C = Good, D = Satisfactory, E = Sufficient, Fx = Fail, F = Fail.

c. The grading criteria are communicated to the students at the start of the course.

d. In order to complete the whole course segment the student must obtain at least grade E (or P with Pass/Fail grades) in all course components/examinations.

e. In addition the following regulations also apply:
- Students who obtain grade Fx in a written examination task are allowed to complete a supplementary assignment in order to elevate the grade to E.
The examiner informs the concerned students when the results of the written examination are published. The supplementary assignment has to be submitted within a given deadline and can only be utilized to elevate the grade of the actual examination task.
- Students who obtained grade E in an examination task are not allowed to re-write the examination or resubmit the assignment in order to obtain a higher grade.
- Students who have failed the same examination task twice are allowed to have another examiner appointed, unless there are special reasons to the contrary.

Interim

When a course is discontinued, or its contents are substantially altered, the following applies:
- Failed examination tasks are replaced with other similar examination tasks according to a specific plan.
- If no similar examination tasks can be provided, at least three examination opportunities per examination task should be offered during a period of at least three terms from the date of the decision. After this period, no examinations should be carried out on the course.

Limitations

This course may not be included in a degree together with a course, taken in Sweden or elsewhere, of identical or partially similar content.

Required reading

Information about course literature is available on the department's website - www.dsv.su.se - at least two months before the start of the course.