



## Course Syllabus:

# Industrial Engineering and Management Ba (C), Information Security, 7.5 credits

## General data

<b>Code</b>	IG036G
<b>Subject/Main field</b>	Industrial Engineering and Management
<b>Cycle</b>	First cycle
<b>Progression</b>	C
<b>Credits</b>	7.50
<b>Progressive specialisation</b>	First cycle, has at least 60 credits in first-cycle course/s as entry requirements
<b>Answerable department</b>	Information Systems and Technology
<b>Established</b>	2012-11-30
<b>Date of change</b>	2018-01-29
<b>Version valid from</b>	2017-12-31

## Selection rules and procedures

The selection process is in accordance with the Higher Education Ordinance and the local order of admission.

## Grading system

The grades A, B, C, D, E, Fx and F are given on the course. On this scale the grades A through E represent pass levels, whereas Fx and F represent fail levels.

## Course reading

### Required literature

**Author:** Dieter Gollmann  
**Title:** Computer Security  
**Edition:** 3, 2011  
**Publisher:** Wiley

**Author:** Myndigheten för samhällsskydd och beredskap (MSB)  
**Title:** Informationssäkerhet.se: stöd för verksamheters informations säkerhetsarbete  
**URL:** <http://www.informationssakerhet.se/>

**Author:** Ross J. Anderson  
**Title:** Security Engineering. A guide to Building Dependable Distributed Systems  
**Edition:** 2007  
**Publisher:** Wiley  
**URL:** <https://www.cl.cam.ac.uk/~rja14/book.html>

### Reference literature

**Author:** Henk C. A. van Tilborg, Sushil Jajodia  
**Title:** Encyclopedia of Cryptography and Security  
**Edition:** 2011, ISBN: 978-1-4419-5905-8 (Print) 978-1-4419-5906-5 (Online)  
**Publisher:** Springer

**Author:** Lorrie Faith Cranor och Simson Garfinkel (red.)  
**Title:** Security and Usability  
**Edition:** 2005  
**Publisher:** O'Reilly

**Author:** Oded Goldreich  
**Title:** Foundations of Cryptography, vol. I: Basic tools  
**Publisher:** Cambridge University Press

**Author:** Oded Goldreich  
**Title:** Foundations of Cryptography, vol. II: Basic applications  
**Publisher:** Cambridge University Press