

## DM830 Network Security – F12 – Lecture 1

### **Textbook**

William Stallings, *Network Security Essentials: Applications and Standards*, fourth edition, Pearson, 2011.

### **Format**

The course will be taught by Joan Boyar and the lectures will be in English. The required project has two parts and may be done in groups of two. You will choose a topic or security product to investigate. You will present the results of your investigation to the class in some discussion section, giving a computer presentation, lasting about 30 minutes. There will be discussion afterwards (since some of these topics will be included in the syllabus for the exam). You will also write a report on your investigation, about 5 pages. The topic you choose must be approved by Joan Boyar. One week before your presentation, you should have an outline of your presentation approved by Joan Boyar. Both parts of this project must be approved in order to take the oral exam in June. The deadline for your first discussion with Joan Boyar concerning the topic is April 18, and the deadline for having your topic approved is April 23. There is a Doodle for signing up for appointments to discuss this. (It can be found under “topics” from the course’s homepage. Come with your own suggestions for topics, after reading the information about this on the course’s homepage.

The weekly notes and other information about the course is available through Blackboard and the URL:

<http://www.imada.sdu.dk/~joan/security/index.html>.

Joan has office hours on Tuesdays and Wednesdays, 9:00–9:45.

## **Lecture, April 11**

We begin with an introduction to the course. Then, we will cover chapter 1 and begin on chapter 2 in the textbook.

## **Lecture, April 13**

We will cover chapters 2 and 3 in the textbook.

## **Discussion section: April 16**

1. Do exercise 1.1 in the textbook.
2. Do exercise 1.4 in the textbook. As an additional part (f), consider the problem of security in elections using electronic voting systems.
3. Do exercise 2.1 in the textbook. (Consider shortening the message.)
4. Do exercise 2.2 in the textbook.
5. Do exercise 2.7 in the textbook.
6. Do exercise 2.12 in the textbook.
7. Read all seven pages of the introduction at the URL

<http://www.security-risk-analysis.com/index.htm>.

You can get them by clicking on “Introduction to Security Risk Analysis and Risk Assessment” and clicking “Next” at the end of each page. Be prepared to discuss this. Who is it aimed at? What do they provide? What can it help with?