Computer Security – F06 – Lecture 1

Textbook

Dieter Gollmann, *Computer Security*, second edition, John Wiley & Sons Ltd., 2006. There will also be supplementary articles.

Format

The course will be taught by Joan Boyar and Peter Kornerup. The lectures will probably be in English. The required project has two parts. 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 20 minutes. You will also write a report on your investigation, about 5 pages. The topic you choose must be approved by either Joan Boyar or Peter Kornerup. 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 or Peter Kornerup concerning the topic is March 10, and the deadline for having your topic approved is March 17.

The weekly notes and other information about the course is available through the WorldWideWeb. Use the URL:

http://www.imada.sdu.dk/Courses/DM71.

Please do not hesitate to contact us if you have questions concerning the course. Joan has office hours on Tuesdays and Wednesdays, 9:00–9:45.

Lecture, February 3

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

Lecture, February 10

We will cover chapter 3 in the textbook and begin on chapter 4.

Discussion section: February 6

Read all seven parts of the information at the URL http://www.security-risk-analysis.com/index.htm. You can get them be 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?

How can the above be compared to the services available from a company such as Counterpane? Read about their "Services" from the URL http://www.counterpane.com/suite.pdf?

Do exercises 1.3 and 1.5 in the textbook.

Consider the problem of security in elections using electronic voting systems. Do a risk analysis.