

2DV702

Internet Security

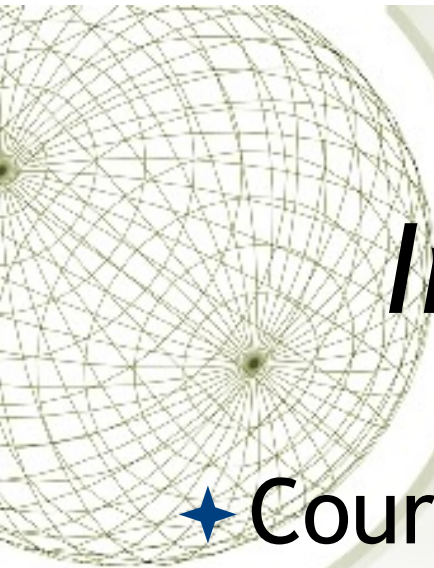
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A decorative wireframe sphere is positioned in the upper-left corner of the slide. The sphere is composed of a grid of thin, light-colored lines that form a globe-like structure. The background of the slide features a light green and white color scheme with faint, curved lines and a large, semi-transparent white rectangular area that frames the text.

Introduction and overview

- ★ Course philosophy and goals
- ★ High-level overview of topics
- ★ Course organization and information

A decorative wireframe sphere is located in the top-left corner of the slide. It consists of a grid of lines forming a sphere, with a central point and lines radiating outwards to form the surface.

Staff

- ★ Ola Flygt, lectures
- ★ Hemant Ghayvat, lectures
- ★ Nikolaos Papadopoulos and Kristoffer Björklund, teaching assistants
- ★ Contact information found in MyMoodle

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Course webpage

In MyMoodle

Starting point. From here you find links to the Time table, lecture notes etc.

- ✦ Slides will be posted for convenience, but no substitute for attending lecture and reading the textbook
- ✦ Assignments distributed in MyMoodle
- ✦ Check often for announcements and changes in the schedule and the Moodle room and on Slack

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Textbook

- ★ I will primarily use one textbook:

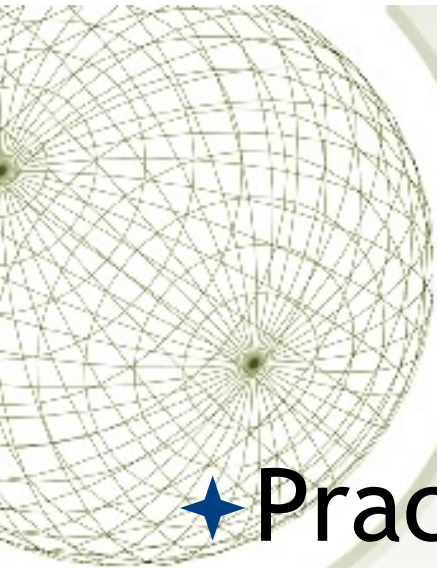
- ★ “Stallings, W Network Security Essentials: Applications and Standards, Global Edition, 6/E, 2016

- ★ Buy it!



Other readings

- ★ Will be linked from *MyMoodle*
- ★ Material from these readings is fair game for the exams, even if not covered in class
- ★ Please suggest other readings or relevant news articles!



Course requirements

★ Practical work

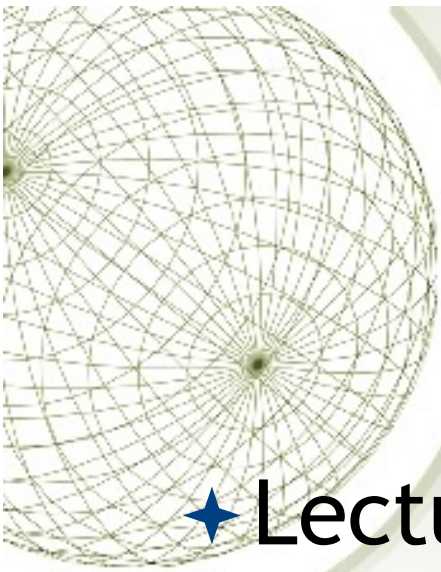
★ One pre-assignment

★ Check *MyMoodle* now!

★ Four assignments

★ Details about these to come...

★ At the end of the course there will also be a written exam or home and oral exam for distance students



Course Communication

- ★ Lectures on campus and streamed for distance students
- ★ TA sessions in Slack/Zoom
- ★ Other communication mainly through the course Slack channel



Course content

- ★ Security introduction
- ★ Cryptography
- ★ Key distribution and User Authentication
- ★ Network Access Control and Cloud Security
- ★ Transport-Level Security



Course content, cont.

- ★ Electronic Mail Security
- ★ IP Security
- ★ Malicious Software
- ★ Intruders
- ★ Firewalls
- ★ Payment Security