What is this course about?

• Learning how to own the Internet for fun and profit.
• No, really:
  – Learning how to make computer systems more secure in practice. (Labs + lecture)
    • Source: textbook/lab assignments/other
  – Learning new trends in computer threats and appropriate countermeasures (Lecture + individual reading)
    • Source: Assigned papers/other
Should I take this course?

- If you have to.
- If you find the subject appealing, and think that everything worth it takes work.
- Don’t take this course:
  - If this slide’s background is where you would like to spend a great deal of time this semester.

Course main references

- Textbook:
- Recommended:
Classroom Lectures

• Every Tuesday
• Cover theory, (some) from textbook, much from the assigned reading (research papers).
• Mid-term exam and final will cover this material.

Lab Meetings

• Every Thursday
• Covers some of the material in a practical setting
• Introduces the lab assignments.
• Lab assignments will be given regularly.
• Deliverables in the form of reports and/or code.
Project

• You are required to work on a project during this course. It must include:
  – An element of originality. Implementing an existing application/service (without add-ons) is discouraged.
  – A practical component (implementation or configuration of software, or system design). Literature review alone will not be sufficient.

Grading

• One Midterm: 10%; Final: 10%
• Lab assignments: 50%; Project: 30%
• Grade scale:
  – A: 91 - 100; A-: 89, 90.
  – B: 77 - 88
  – C: 65 - 76
  – D: 55 - 64
  – F: 0 - 54
Questions?