Computer Networks

Lecture 1: Logistics

Hello!

- Welcome to Computer Networks
  - Are you in the right classroom?
  - Okay, good.
- Who am I?
  - Sándor Laki, PhD
  - Assistant Professor at Dept. Of Information Systems
  - lakis@inf.elte.hu
  - Office: Southern Building, Room 2.506
  - Office Hours: 10-11 Monday, in room 2.506
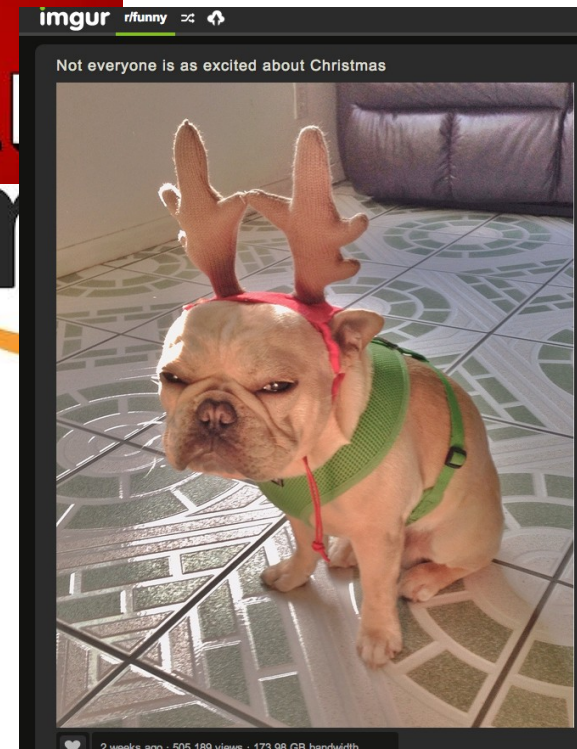
Why Take This Course?

- How many of you have checked your e-mail, FB, text…
  - Today?
  - In the past hour?
  - Since I started talking?

Computer networks are ubiquitous

☐ Networks touch every part of our daily life

- Web search
- Social networking
- Watching movies
- Ordering merchandise
- Wasting time

Not everyone is as excited about Christmas

Computer networks are ubiquitous

- Networking is one of the most critical topics in CS
  - There would be no…
    - Big Data
    - Cloud
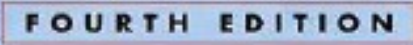   - Apps or Mobile Computing
  - … without networks

Goals

- Fundamental understanding about computer networks
  - Layered approach covering routing algorithms and protocols up the stack
  - Not just how it works, but how did it end up that way?
  - Issues arising with new popular applications online
  - How might we rethink protocols and assumptions of the past
- Focus on software and protocols
  - Not hardware
  - Minimal theory
- We will be putting concepts into historical perspective

Resources

□ Visit for slides
- http://lakis.web.elte.hu
  - Choose Computer Networks

□ Class forum
- Email
- Canvas?
- FB?

FOURTH EDITION
Computer Networks
ANDREW S. TANENBAUM

Teaching Style

- I am a network researcher
  - Things make sense to me that may not make sense to you
  - If you do not understand something, do not be shy to stop me and ask
  - Seriously, ask questions!!!
  - Standing up here in silence is very awkward
  - I will stand here until you answer my questions
- Help me learn your names
  - Say your name before each question

Course = Lecture + Practice

☐ <u>Practice</u>

- Lecturer: Peter Vörös, Teaching assistant
- Requirements will be announced at the first class

☐ <u>Lecture</u>

- After a successfully passed practical part…
- Final exam at end of the semester
  - one occasion per week in the exam period
  - written exam – tests + essay

Cheating

- Do not do it
  - Seriously, don't make me say it again
- Cheating is an automatic zero
  - Will be referred to the university for discipline and possible expulsion

Final Grades

- At the end of the semester, all of your grades will sum to 100 points

- Final grades are based on a simple scale:
  - 5 - >85,
  - 4 - 70-85,
  - 3 - 60-70,
  - 2 - 50-60,
  - 1 - 0-50

Questions?

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