Networked Systems Revision Lecture

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CS 3035 / GZ01
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Module Marking Scheme

- Coursework 1: 8%
- Coursework 2: 8%
- Coursework 3: 8%
- Coursework 4: 8%
- Mid-term exam: 8%
- Final exam: 60%

- 3035: must average $\geq 40\%$ overall to pass
- GZ01: must average $\geq 50\%$ overall to pass
Exam Rubric

• Three multi-part short-answer questions
  – you must answer two of your choice
  – questions on past papers for 3035/GZ01 are representative

• One set of “true/false/don’t know” questions, all of which you must answer

• Each question worth 33 marks
True/False/Don’t Know Questions

- A scenario followed by up to five lettered statements
- For each, you must fill in your choice of whether the statement is true, false, or if you don’t know
- Answers go on multiple-choice answer sheet, must be written in HB pencil
- Anywhere between zero and all five lettered statements may be true
- Marking scheme:
  - Gain a mark for each correct answer filled in
  - Lose a mark for each incorrect answer filled in
  - No change for marking “don’t know” or not answering
  - Total marks on T/F/D normalized into [0, 33]
What We Won’t Ask You

• “Explain how System X will behave in this utterly bizarre corner case that is insignificant in reality, and was never mentioned in lecture.”
  – We’re trying to determine whether you understand central themes in the material, and how to apply ideas to practical networking problems.
What We Might Ask You

- “How does this protocol behave in this common situation?”
- “When would you want to use this system vs. this one? And why?”
- “How would this protocol behave better or worse if we made this change to it?”
- “Why does this protocol do this task in this way?”
- “Quantitatively predict performance.”
  - If formula simple, and derived in lecture, we won’t give formula to you.
- We will do our best to make questions span multiple concepts!
What We Might Ask You

- “How does this protocol behave in this common situation?”
- “When would you want to use this system vs. this one? And why?”
- “How would this protocol behave better or worse if we made this change to it?”

**Substantiate your answers! The right conclusion must be supported by relevant details.**

- If formula simple, and derived in lecture, we won’t give formula to you.
- We will do our best to make questions span multiple concepts!
How Should You Study?

• Read lecture slides (should already have read and re-read them!)
• Re-read your notes from lectures; refer to slides and readings to understand troublesome bits better
• Discuss material in a group
  – Surprisingly time-efficient
  – Pool your understanding; likely $\geq$ one of you understands each aspect of material
  – Only works if you prepare by reading all readings and re-reading slides and your notes from lecture
Master List of Examinable Readings

• Exact readings listed on calendar on class web page
• Non-textbook readings assigned:
  – Ethernet
  – End-to-End Arguments
  – Congestion Avoidance and Control
  – Interconnections (excerpt on calendar page)
  – Lulea forwarding algorithm
  – Balakrishnan BGP lecture notes
• Assigned sections of Peterson & Davie (P & D) textbook
• Assigned sections of Saltzer & Kaashoek (S & K) Chapters 1, 7, and 8