



COMP90007

Internet Technologies

Assignment Project Exam Help

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Ling Luo
Semester 2, 2021



Lecturers

Dr. Ling Luo

- Lecturer at School of Computing and Information Systems
- Main research interests are machine learning, data mining, behaviour analytics
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Prof. Tom Drummond

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- Professor at School of Computing and Information Systems, Melbourne Connect Chair of Digital Innovation for Society
- Main research interests are computer vision, machine learning, robotics and augmented reality
- tom.drummond@unimelb.edu.au

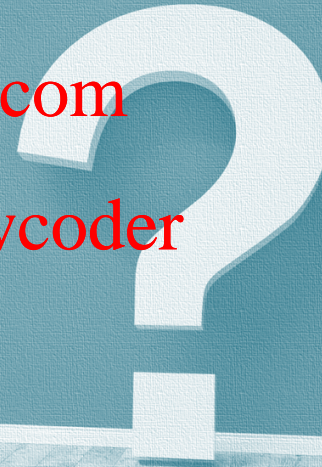


More about you?

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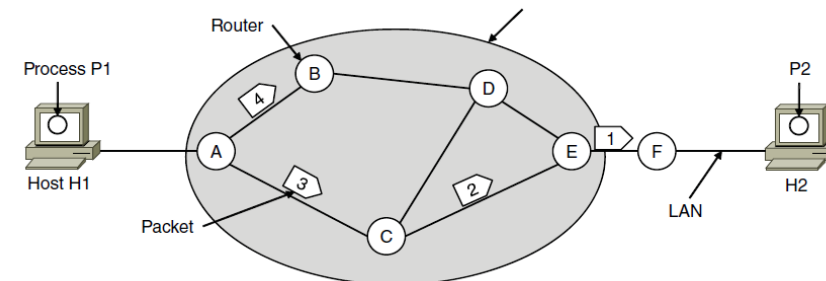
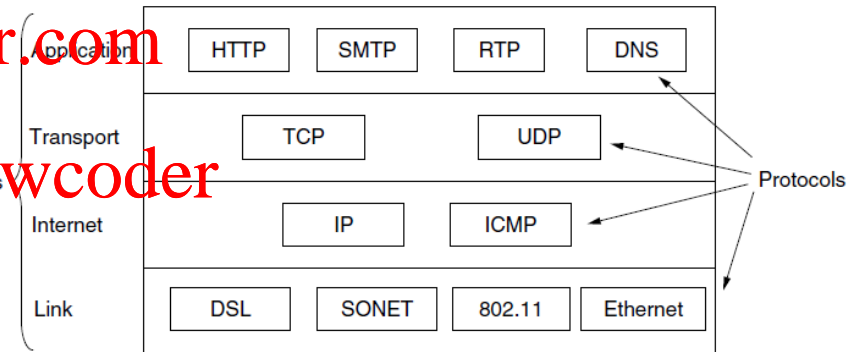
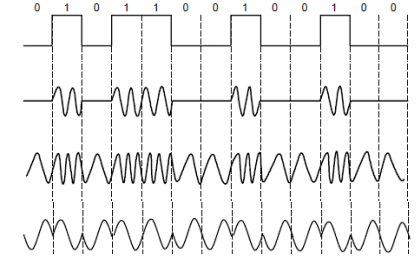
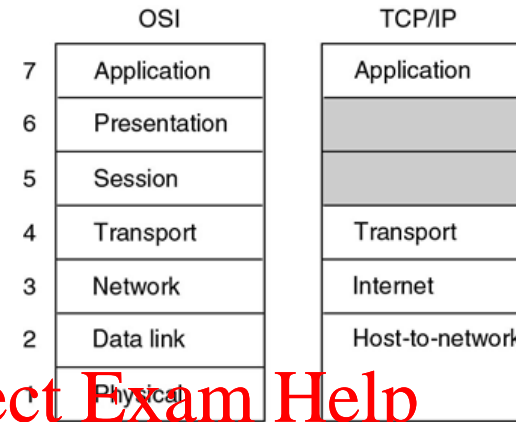
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Overview of Topics

- **Basics of computer networks** through a study of layered models of computer networks and applications.
- **Main Topics:** Introduction to Internet, reference model layers, protocols and services, data transmission basics, interface standards, network topologies, data link protocols, message routing, LANs, WANs, TCP/IP suite, detailed study of common network applications...





Lectures

- **3 lectures per week for 12 weeks**

- Online lectures, the recordings will be available after class on Canvas
- Mondays 1:00 pm – 2:00 pm
- Tuesdays 3:15 pm – 4:15 pm
- Fridays 1:00 pm – 2:00 pm

Tentative Schedule

Week	Topic
1	Introduction
2	Physical Layer
3	Data Link Layer
4	Medium Access Control
5	Network Layer
6	Network Layer
7	Transport Layer
8	Transport Layer
	Non-teaching period
9	Application Layer
10	Application Layer
11	Network Security
12	Review

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Tutorials

- **1-hour tutorial per week for 11 weeks**
 - Starting from Week 2
 - Online and face-to-face^
 - Tutorials are the key place to solve questions interactively, measure and test things and get help for projects
- Tutors
 - Rahul Sharma (head tutor)
 - Amila Silva
 - Anas Dawod
 - Udes Gunarathna
 - Yifei Wang
- Each tutor will set their own mode of contact, please meet them in your tutorials next week

Time		Tutor
Tue^	1:00 pm	Udes
Tue^	2:15 pm	Udes
Tue	4:15 pm	Rahul
Wed	3:15 pm	Amila
Wed	5:15 pm	Rahul
Thu	1:00 pm	Anas
Thu	2:15 pm	Anas
Thu	4:15 pm	Yifei
Thu	5:15 pm	Yifei
Fri	4:15 pm	Amila

- Each student is expected to attend the same tutorial through out the semester for their tutor to follow the progress properly



Subject Material

- **Canvas LMS** is the primary portal for the subject: <https://canvas.lms.unimelb.edu.au/>
 - Announcements
 - Lecture and tutorial materials in Modules
 - Assessments
 - Grades
 - Discussion forum
 - Other subject information: handbook, academic integrity, guides etc.

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Communication

- **Announcements on Canvas**
- **General enquiries: Discussion forum on Canvas**
 - Check discussion forum regularly **Assignment Project Exam Help**
 - We encourage all students to join in discussions – answering other students' questions is one of the best ways to improve your own understanding **<https://powcoder.com>**
 - Please do not post sections of your assignments publicly! **Add WeChat powcoder**
- **Personal/private concerns: Email the instructors**
 - Please include "COMP90007" and your student ID in email subject
 - If you email us about a general enquiry, we may ask you to re-post your question in the forum



Assessments (1)

- **2 Assignments**, 10% (5% of total mark for each assignment)

- Similar to tutorial questions
- Good preparation for exams
- One for each half of the semester, they will be due around week 5 and 11 respectively

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- **2 Projects**, 30%

- **Project 1**: hands-on networking experience/measurements, 15%

This project will cover the first half of the semester in terms of your practical work and will be due around Week 8.

- **Project 2**: written report on a networking related topic, 15%

You will do some research on an emerging topic in networking. This will cover the second half of the semester and will be due around Week 12.

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Assessments (2)

- **Final exam, 60%**

- Centrally timetabled
- Questions are similar to other assessments that you will work on during the semester

NOTE: Reading the book in the last minute will not help as there will be just too much material to cover

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Assessments (3)

- **Assignments and Project 1 are individual work, Project 2 can be completed individually or in a group of two**
- **Hurdle on assessments, 50% for each type of assessments**
 - 50% overall
 - 50% in the two homework assignments
 - 50% in the Project 1 and Project 2
 - 50% in the end-of-semester written examination

This means just doing the final exam well is not enough to pass the subject



Academic Integrity

- More information: <https://academicintegrity.unimelb.edu.au/>
 - Plagiarism: Presenting the work of another person as your own
 - Self-plagiarism: Students cannot re-use any part of their work that has already been submitted for assessment without proper citation.
 - Copyright: Students cannot sell or publish subject materials.

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Textbook

- **Computer Networks, 6th edition**, By: Andrew S. Tanenbaum, Nick Feamster, and David J. Wetherall

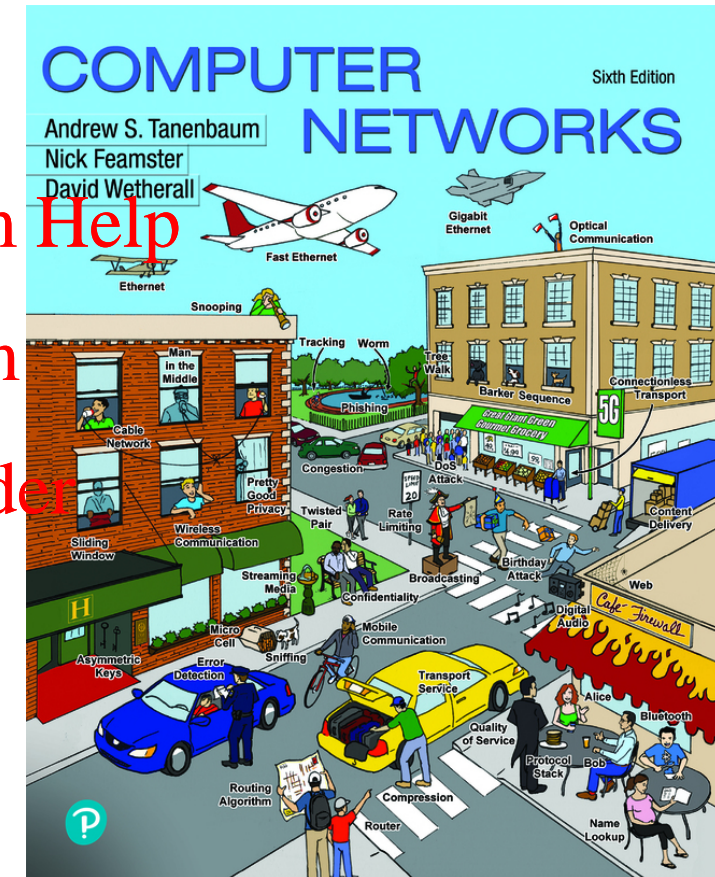
Library has online version (link on Canvas)

Suggested readings will be posted on Canvas each week

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FAQ

- Will I have to program extensively in this subject? **No, but you need to know 1 programming language to comprehend some concepts**
- What if I have some background in networking? **Consider applying for credit now**
- Will there be team projects? **Project 2 can be completed in a group of two or individually**
- What would the final exam be like? **Nothing surprising if you attended the subject with a genuine effort on all fronts**
- What is examinable in the exams: **Everything, you will know how much you need to know about each bit once you listen to the lectures/tutorials**

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QUESTIONS?

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