Course Outline

View in browser (https://www.cse.unsw.edu.au/~cs6733/outline.html)

COMP6733 Internet of Things Design Studio

COURSE OUTLINE

- Course staff
- Course information
  - General course information
  - Assessement
  - Course and laboratory schedule
  - Student resources
  - Laboratory
  - Project
- Communications via e-mail
- Student Conduct
- Course Evaluation and Development
- Further information

Course staff

	Lecturer-in-charge	Lab demonstrator	Lab demonstrator	Lab demonstrator
Name	Wen Hu	Qi Lin	Jiayao Gao	Isura Nirmal
Email	wen.hu@unsw.edu.au	qi.lin@student.unsw.edu.au	jiayao.gao@student.unsw.edu.au	b.isuranirmal@student.unsw.edu.au
Office	Room 606, Building K17	Room 401, Building K17	Room 401, Building K17	Room 401, Building K17
Consultation hours	Monday 14:30-15:30 Note: Consultation hours are subject to change. Any changes will be announced on course website.			

General course information

Units of Credit	6 Note: This signifies 33% of a full-time study load for one term and at least 14 hours of work per week.
Pre-requisites / Co-requisites	65 WAM and COMP9331 or COMP3331 (Computer Networks and Applications)

Assumed knowledge	• Computer Networks: Layering, Medium Access Control, Routing and Transport layer
	• Good familiarity with Linux
	• Math knowledge from core courses:
	  ◦ Probability and statistics
	  ◦ Graph Theory and algorithms
	  ◦ Calculus
	  ◦ Linear algebra
	• Familiarity with a high level programming language such as Java and Python, **AND** a low level programming language such as C, **AND** microcontroller programming

Learning and teaching philosophy	The course consists of the following learning components: • Lecture of 2 x 2 hours per week • Guided laboratory work for 2 hours per week in Weeks 1-5. • Internet of Things project The aim of the lectures is to facilitate learning and understanding of the important concepts within the course syllabus. Lecture notes will be available at the course web site for downloading before the lecture. In addition to attending the lectures (**mandatory**), students are also asked to study the recommended reading materials before and after the lecture. A number of study problems will be issued each week. These problems give the students a chance to test whether they have understood concepts that are introduced in the lecture. Time in the lecture, if available, may be used to discuss some of these study problems. Solutions to these problems will be available on the course web site.

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