

# COMP9020 Week 6 Recap and Administrivia

# Administrivia

- Assignment 2 due **Sunday, November 3 at 23:59**
- Assignment 1 solution available tonight
- Online, group-based consultation: **Tuesday, October 29 at 8-10pm**
- WebCMS quiz feedback
- Quiz 10

## Additional consultation

- Tuesday, October 29 at 8-10pm
- Collaborate session:  
<https://au.bbcollab.com/guest/45f572cd57b24d098047d8c3dc7e4621>
- Non-guest access through Moodle:  
<https://moodle.telt.unsw.edu.au/course/view.php?id=44468>
- Text, voice, video chat; Whiteboard
- Session will be recorded (hopefully)
- Student-driven

# WebCMS Quiz Feedback

Please fill in the survey at

<https://forms.gle/zrsZgNW9NCR8qTLg7>

# Week 6 Recap

- Induction variations
- Structural induction
- Logic:
  - Propositions and connectives
  - Logical equivalence (informally)
  - Entailment and validity (informally)
  - Syntax: Well-formed formulas
  - Semantics: Boolean algebra  $\mathbb{B}$

# Need to know for this course

- Basic induction, from  $m$ , steps  $\geq 1$ .
- Structural induction
- Formal definitions of Propositional logic
- Evaluating functions on well-formed formulas