
Australian National University
Structured Programming
COMP1110/COMP6710
Introductions
Mechanics/Admin
Course goals
Material
Resources
Assessment
Polling/Mini-Quizzes
Go to pollev.com/fabianm

Introductions – Conveners/Lecturers

Fabian Muehlboeck

Programming Language
Design & Implementation

Felipe W. Trevizan

Automated Planning & Scheduling,
Machine Learning

Introductions – Tutors

Austin Yang

Cathy Cheung

Chloe Lin

Dian Lu

Daniel Herald

Piyumal Demotte

Rob McArthur

Sam Liersch

Tal Shy-Tielen

Vikram Sondergaard

Xin Lu

Yash Shrivastava

Yumeng Liu

CECS Class Representatives

Class Student Representation is an important component of the teaching and learning quality assurance and quality improvement processes within the ANU College of Engineering and Computer Science (CECS).

The role of Student Representatives is to provide ongoing constructive feedback on behalf of the student cohort to Course Conveners and to Associate Directors (Education) for continuous improvements to the course.

Roles and responsibilities:

- Act as the liaison between your peers and conveners.
- Be available and proactive in gathering feedback from your classmates.
- Attend regular meetings, and provide reports on course feedback to your course convener
- Close the feedback loop by reporting back to the class the outcomes of your meetings.

Why become a class representative?

- **Ensure students have a voice** to their course convener, lecturer, tutors, and College.
- **Develop skills sought by employers**, including interpersonal, dispute resolution, leadership and communication skills.
- **Become empowered**. Play an active role in determining the direction of your education.
- **Become more aware of issues influencing your University** and current issues in higher education.
- **Course design and delivery.** Help shape the delivery of your current courses, as well as future improvements for following years.

Note: Class representatives will need to be comfortable with their contact details being made available via Wattle to all students in the class and their name being on the course website.

For more information regarding roles and responsibilities, contact:
ANUSA CECC representatives (sa.cecc@anu.edu.au).

Want to be a class representative?
Nominate today!

Please nominate yourself to your course convener
by end of Week 2

Code of Conduct

You have two primary responsibilities:

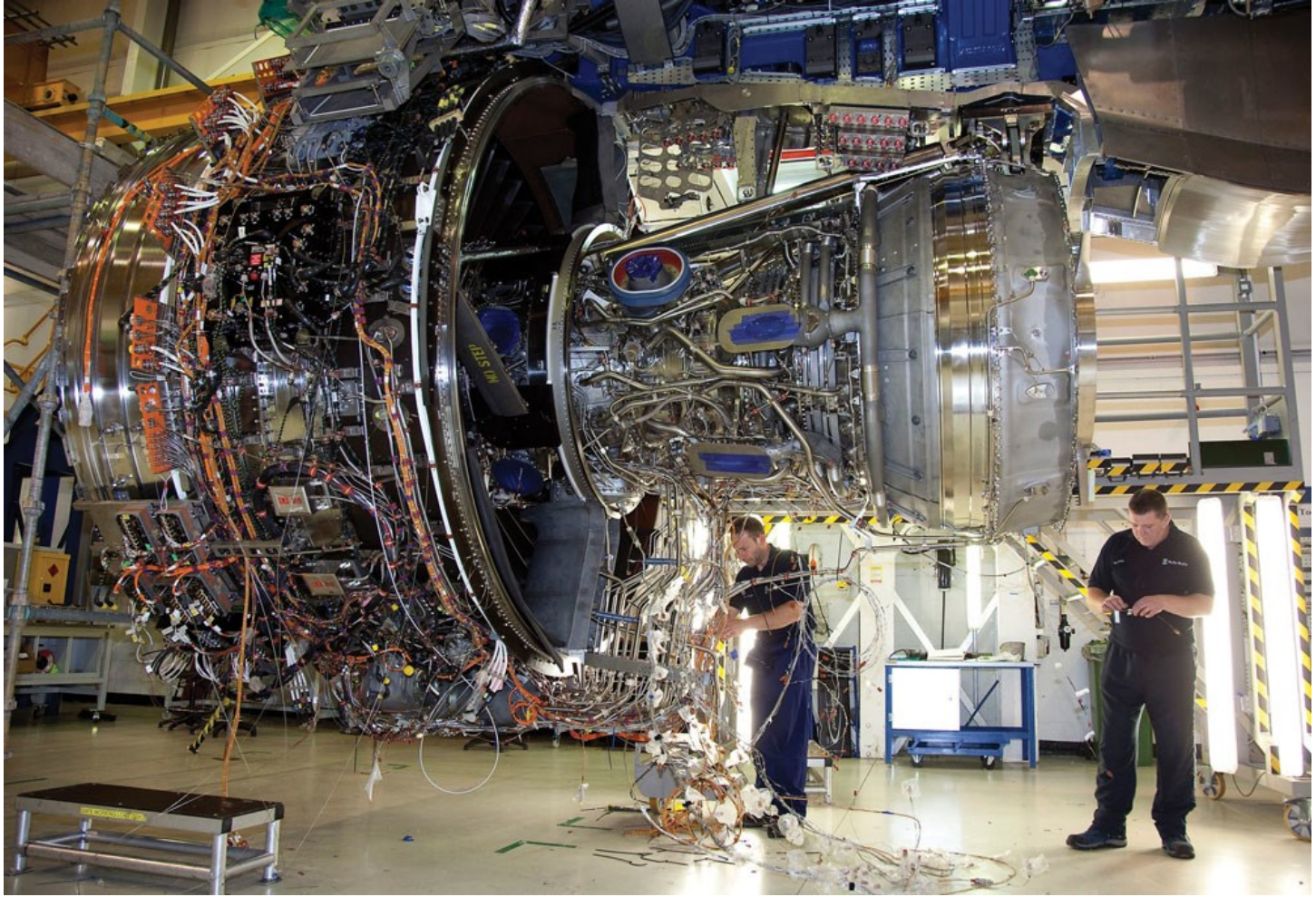
- **Promote** an inclusive, collaborative learning environment.
- **Take action** when others do not.

Professionally, we adhere to ACM's Code of Ethics. More broadly, a course like COMP1110 involves reflection, collaboration, and communication. Computer science has a checkered history with respect to inclusion - in corporate environments, in our classrooms, and in the products we create. We strive to promote characteristics of transparency and inclusivity that reflect what we hope our field becomes (and not necessarily what it has been or is now).

Above all, **be kind**.

We reject behaviour that strays into harassment, no matter how mild. Harassment refers to offensive verbal or written comments in reference to gender, sexual orientation, disability, physical appearance, race, or religion; sexual images in public spaces; deliberate intimidation, stalking, following, harassing photography or recording, sustained disruption of class meetings, inappropriate physical contact, and unwelcome sexual attention.

If you feel someone is violating these principles (for example, with a joke that could be interpreted as sexist, racist, or exclusionary), **it is your responsibility to speak up!** If the behaviour persists, send a private message to your course convener to explain the situation. We will preserve your anonymity.



Rolls Royce Trent XWB for the A350.

Photo: AINonline

“Essentially, engineering is all about cooperation, collaboration, and empathy for both your colleagues and your customers. If someone told you that engineering was a field where you could get away with not dealing with people or feelings, then I’m very sorry to tell you that you have been lied to. Solitary work is something that only happens at the most junior levels....”

Yonatan Zunger

Course goals

Introduction to...

Core Computer Science

Object-Oriented Programming

Data Structures, Algorithms

Software Engineering

Working with Large-Scale Software Systems

Testing

Software Development Skills

Modern OO Language (Java, including Java FX)

IDE (IntelliJ) and Version Control (Git)

Mechanics

- Course Website - https://comp.anu.edu.au/courses/comp1110
- Lectures
  - Slides on course website (updated shortly before each lecture)
  - Future lectures' slides kept from last semester
  - Recordings on echo360
  - Lecture code repo on Gitlab
- Oracle Java tutorials, other online resources
  - See "Help" section of course website

Mechanics

- Labs
  - Enrol in a lab group by the end of week 1
  - Weeks 1-9 + 12
- Drop-In consultations (from week 2
  - See course website
- Gitlab – https://gitlab.cecs.anu.edu.au/comp1110
- Class Forum (Ed) – https://edstem.org/au/courses/14978/

Week 1 Labs – Getting Started

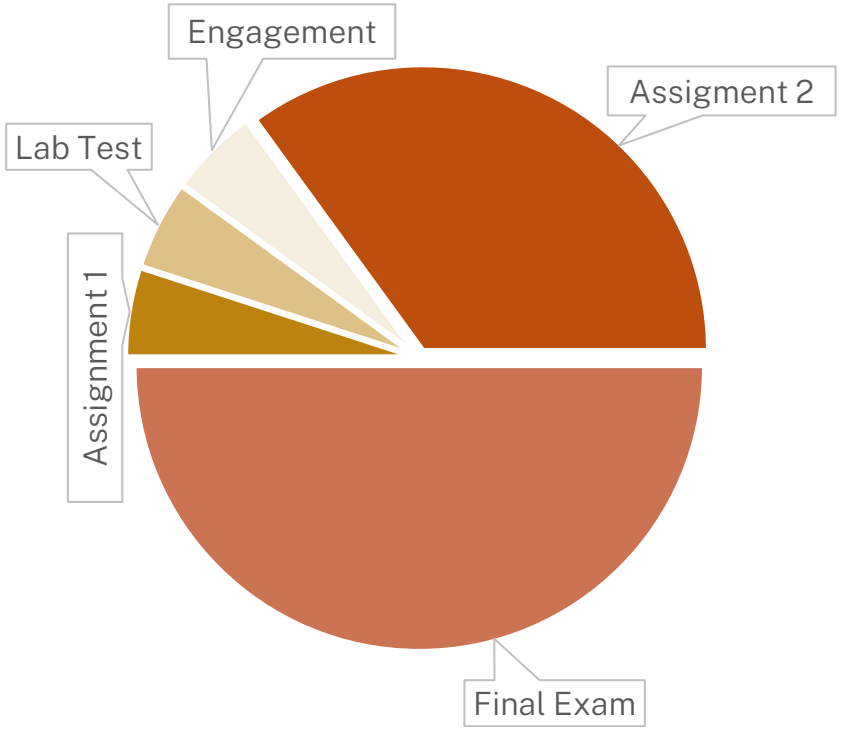
- Go to any and as many labs as you like (Week 1 only)
- Mon 16:00-18:00 and Tue 08:00-10:00 cancelled (Week 1 only)

- Basic Setup
  - Fork & clone the labs repository
  - Set up IntelliJ

- Get help setting up your personal machine
  - In labs
  - CSSA installfest – Thursday 22/2, 18:00-21:00 in Hanna Neumann 1.33

Assessment

- Class Engagement (Labs)
  - You can miss one or two
- Assignment 1 (5%, Redeemable)
  - Out week 2, due at start of week 4
- Lab Test (5%, Redeemable)
  - Week 4, in your lab
- Assignment 2 (35%, Group)
  - Out week 4, ongoing until week 12
- Final Exam (50%)



Hurdle Assessments

- You must **pass the basic competency assessment** in week 5
  - Students who achieve at least 50% on the lab test in week 4 are exempt from the basic competency assessment
- You must **achieve a mark of at least 40%** in the final exam

Failing any hurdle will result in automatic failure of the course.

You can still drop the course without failure after the basic competency assessment.

Please read the assessment overview page on the course website

Photo: Danchuter via Wikipedia

Life Hack: Continuous Engagement

- Attend and engage in the lectures
- Attend and engage in the labs
- Continuously work on assignments
  - Assignment 2 divided up into smaller deliverables
- Go through homework problems associated with lectures
  - You'll see these in the lab test
- Use additional resources on course website
- Ask questions!

“I’ve failed over and over and over again in my life …

Michael Jordan

Academic Integrity

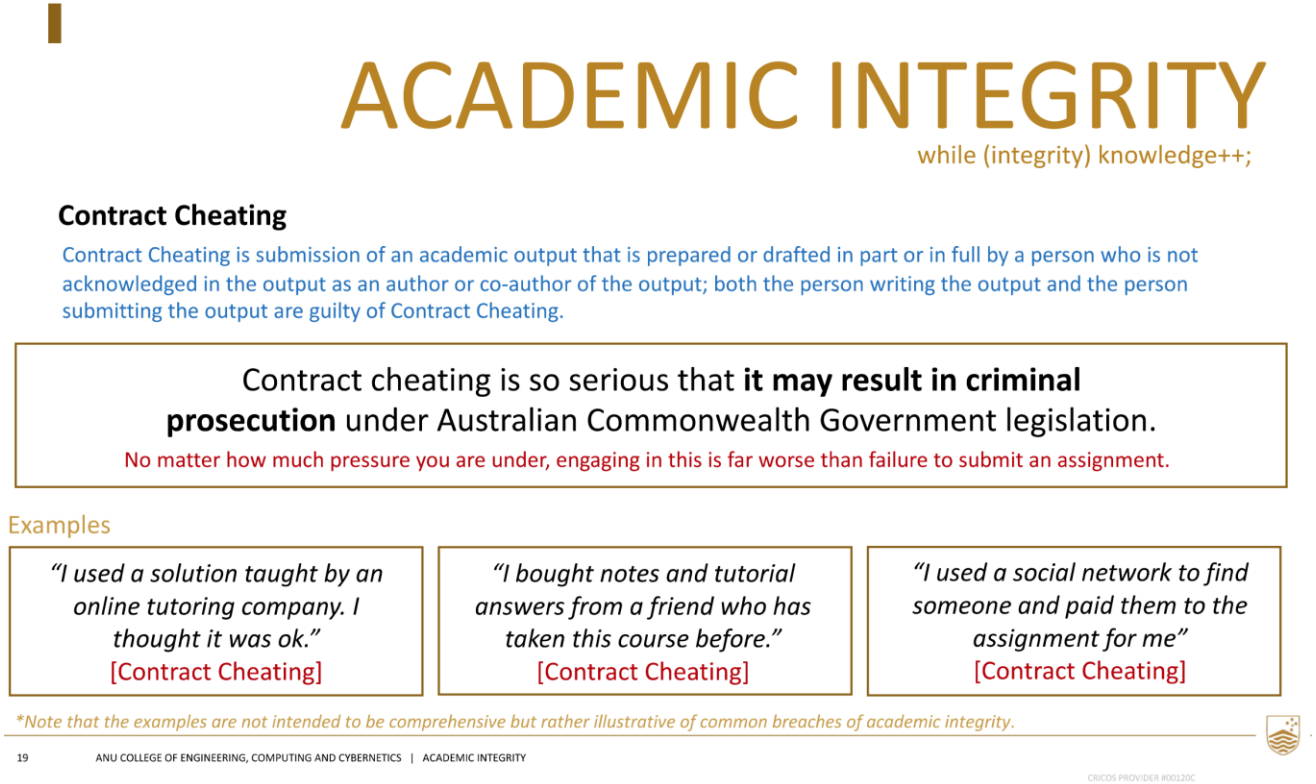
Honesty and integrity are paramount.
They are not at odds with research and collaboration.

Do be resourceful, collaborate and engage.

Never represent someone else's work as your own.

Do read the ANU's position on academic integrity
http://academichonesty.anu.edu.au/

Special Danger: Contract Cheating



Academic Integrity Slides
Bernardo Pereira Nunes
Sub-Dean (Academic Integrity), CECC

Code Assistance and AI

Copilot, ChatGPT, Tabnine, Kite, etc…

- **Unreliable – needs a professional to evaluate output**
- **Learn by trying yourself** is still the only way to become that professional
- **Exceptions**: explaining code, helping to debug, suggesting alternatives / improvements – use it to be more efficient at what you do; don't depend on it!
- If used in assignments **must be cited** and clearly explained how used
- You will only get marks for what we consider your personal contribution
- **Not allowed** in **lab test**, **basic competency test** or the **final exam**

“You can know the name of a bird in all the languages of the world,
but when you're finished, you'll know absolutely nothing whatever about the bird...
So let's look at the bird and see what it's doing -- that's what counts.
I learned very early the difference between knowing the name of something and knowing something.”

Richard Feynman