

1. Select Visitor from available wireless networks. Launch a web browser and access any website (On some devices this is done automatically). Your web browser will redirect to the Visitor login screen.

2. Enter the below username and password:

Username: **bachelorofscience**

Password: **nc@A78**

3. Click Connect/Ok.





Getting Started Sessions

Carillo Gantner Theatre



Acknowledgement of Country



I acknowledge the Traditional Owners of the uncaded land on which we meet: the Wurundjeri Woi-wurrung people in the Kulin nation.

Aboriginal and Torres Strait Islander people are this country's first scientists, with deep and enduring knowledge of the land, waters and skies. I pay my respects to Elders, past and present, and I welcome all First Nations people here today.

In making this acknowledgement we commit to respectful and responsible conduct towards all others according to the Traditional lores of this land.

Schedule



Getting Started Session Times	Carrillo Gantner Theatre (B02)	Room G07
12:30pm - 1:00pm	Maths and Stats	
1:05pm - 1:35pm	Engineering and Information Systems	Earth Sciences
1:40pm - 2:10pm	Biology	Physics
2:15pm - 2:45pm	Chemistry	Geography

Schedule



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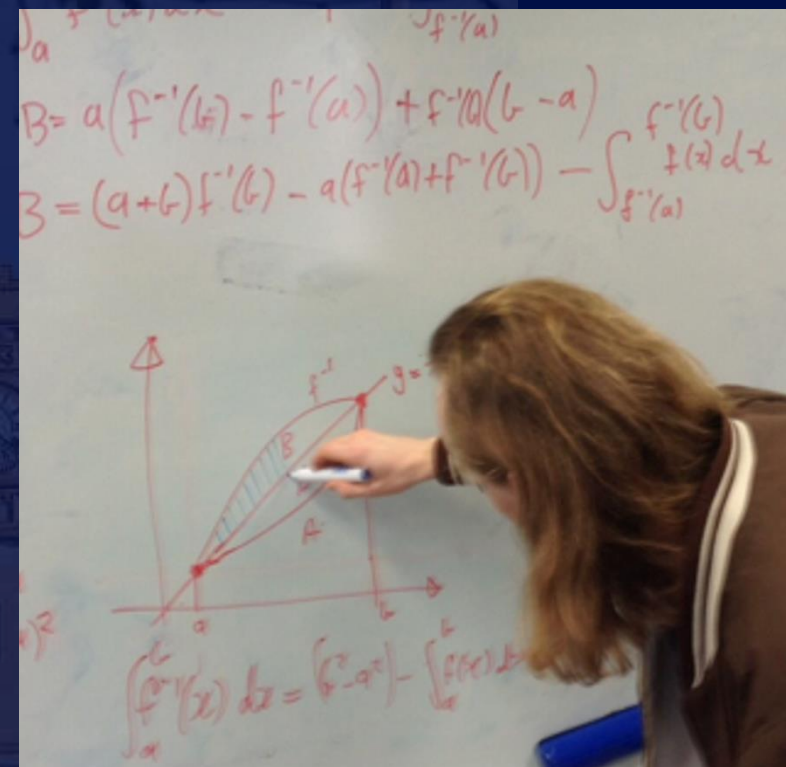


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MELBOURNE

Getting ready for first-year mathematics and statistics

Semester 2, 2026

Anthony Morphett
School of Mathematics and Statistics



First year maths & stats subjects semester 2



MAST10005 Calculus 1

MAST10006 Calculus 2

MAST10007 Linear Algebra

MAST10010 Data Analysis

MAST10009 Accelerated Mathematics 2 and
MAST10021 Calculus 2: Advanced not covered here

How do first year maths & stats subjects work?



Each week you have:

- Lectures
- Tutorial
- Computer lab class (**Linear Algebra**)
- Workshop class (**Calculus 1**)
- Peer Assisted Study Sessions (PASS)

Plus: weekly practice exercises, regular assignments, reviewing/summarising lectures

Expect to spend about **12 hours/week** on each subject on average (including class time)

Lectures

- Lectures are in-person
- The lecturer will usually work through the lecture slides a combination of theory and worked examples
- Might also include polls, discussions, activities, etc
- Lecture recordings are available as an aid for study (but are NOT a replacement for attending in person)



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Tutorials

- You'll work in groups on problems, and write your answers on whiteboards
- A chance to work on the maths yourself
- A very important and valuable part of the learning
- You'll get help and feedback from your tutor as well as from your groupmates
- Great chance to meet other students
- Also called practice classes or practical classes

Workshops ([Calculus 1](#)) are similar but more focussed on practicing mathematical skills.



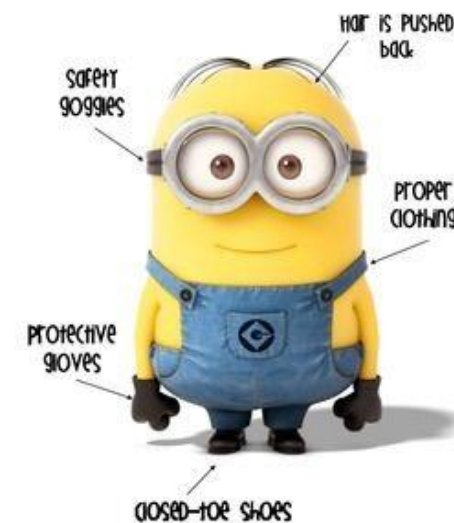
Computer lab classes

Learn to use mathematical software to help with calculations and to explore mathematical concepts.



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Science Lab Safety



Peer Assisted Study Sessions (PASS)

- Weekly, subject-specific study sessions led by an experienced student
- PASS Leaders design and facilitate the sessions based on student needs
- Opportunity to discuss topics and strengthen study strategies
- An inclusive space for all students

I learnt some good study tips and approaches to questions. It was interesting learning how other people study.

MAST10006 PASS Participant



I made lots of friends during **PASS** who were in a similar situation as me... same intentions and same feelings about uni. **The transition from high school to uni was initially a bit daunting, but regularly turning up to PASS really helped with this.**

MAST10006 and CHEM10003 PASS Participant

When do classes start?

Lectures, tutorials, workshops, computer labs start in week 1
(next week)

PASS starts in **week 2**

What to do before class

- ❑ Read the information for your subject on Canvas LMS
- ❑ Get the lecture slides from Canvas LMS
 - Bring them to lectures
 - You'll need to take notes on them
- ❑ Do the orientation quiz on Canvas LMS if applicable

lms.unimelb.edu.au or google “unimelb lms”

Do I need a calculator?

- No calculators for Calculus 1, Calculus 2, Linear Algebra
- University-approved scientific calculator for Data Analysis – see Canvas LMS

Do I need a textbook?

For most students, the lecture slides, exercise sheets and resources provided on Canvas LMS are sufficient.

Textbooks are available from the library for those who want them.

How can I get help?

Consultations

get one-on-one help from the lecturer or a tutor
see your subject's Canvas LMS site for details
no appointment necessary, just turn up!

Friends and classmates

PASS

After your tutorial

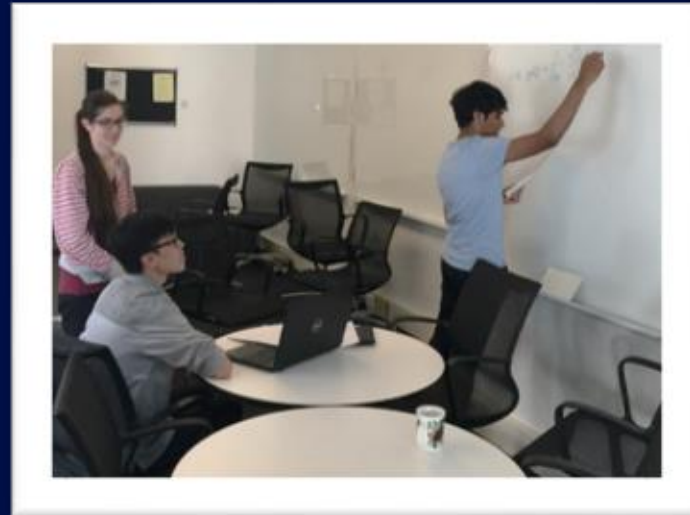
mathSpace

MUMS events

Online 'Ed' discussion board

mathAssist

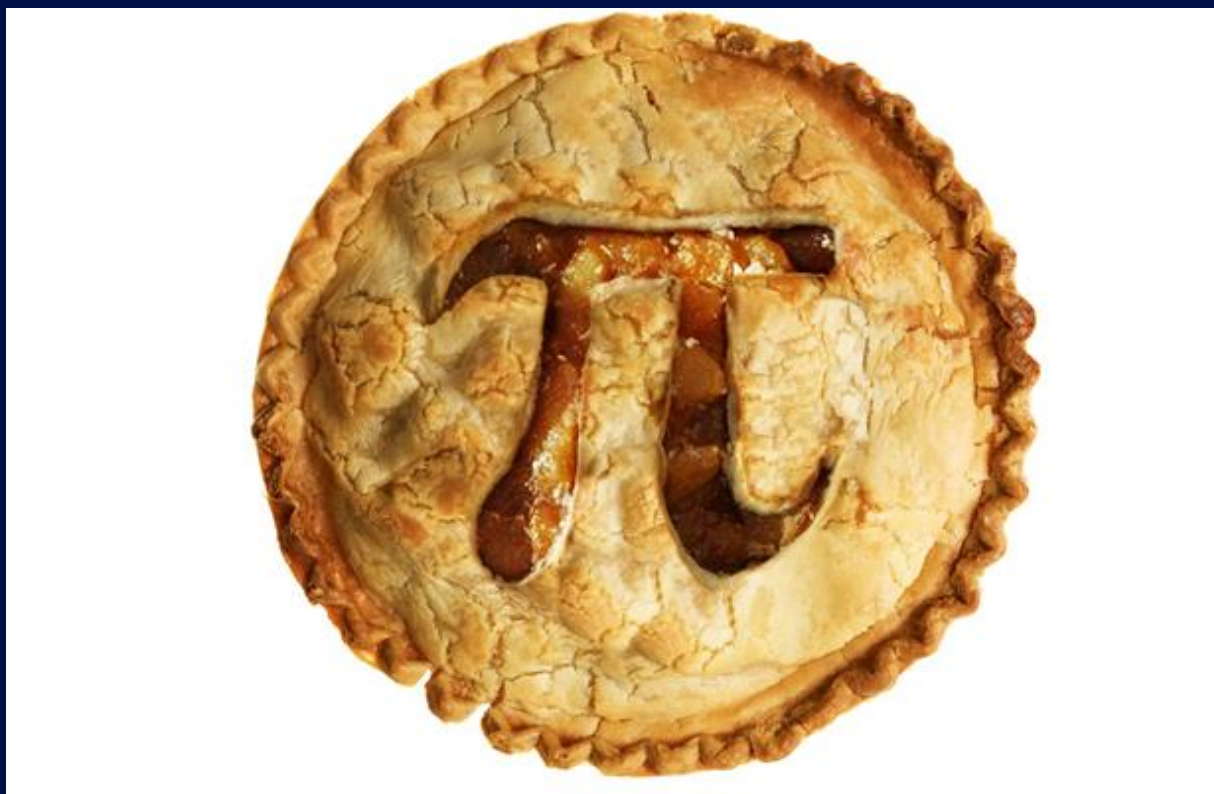
- Drop in for help with study skills and background knowledge from school
- 12-2pm each weekday from week 2 onwards
- In person in mathSpace





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Good luck!



Schedule



Getting Started Session Times	Carrillo Gantner Theatre (B02)	Room G07
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1:05pm - 1:35pm	Engineering and Information Systems	Earth Sciences
1:40pm - 2:10pm	Biology	Physics
2:15pm - 2:45pm	Chemistry	Geography



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Engineering Information and Information Technology

Prof Gavin Buskes

Course Coordinator, Department of Electrical and Electronic Engineering
Subject Coordinator, ENGR10006 Engineering Modelling and Design

Chris Ewin

Program Coordinator, Computing & Software Systems

ENGR10006: Engineering Modelling and Design



“the application of **science & mathematics** by which the properties of matter & the sources of energy in nature are made useful to people”

- Merriam-Webster Dictionary

YOU ARE HERE



Engineering
Technology
and Society

Engineering
Modelling
and Design

...



Biomedical



Chemical



Civil



Electrical



Environmental



Mechanical



Mechatronics



Spatial



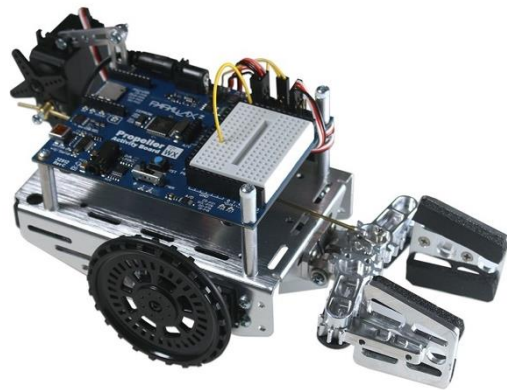
Engineering Modelling and Design (EMD)

- In EMD, you'll learn about:
 - Different **engineering disciplines** & how they fit together
 - How engineers **solve complex problems**
 - How to tackle **team-based design projects**
- Learning activities in the subject will be conducted in two formats:
 - Subject-wide lectures (only a few for the semester!);
 - Project-based workshop classes.
- Workshop classes:
 - Active learning
 - Learn together with your peers
 - Direct interaction with lecturers
 - Application of scientific principles using engineering method
 - Teamwork – create something greater than the sum of parts.

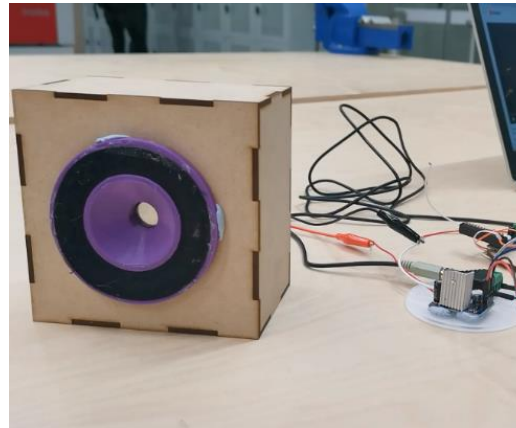
How does this subject work?

- Subject revolves around a **team-based design project**
- Choice of ONE of THREE semester-long team design projects:

Design, program and demonstrate an autonomous robot



Design, build and test an audio speaker system

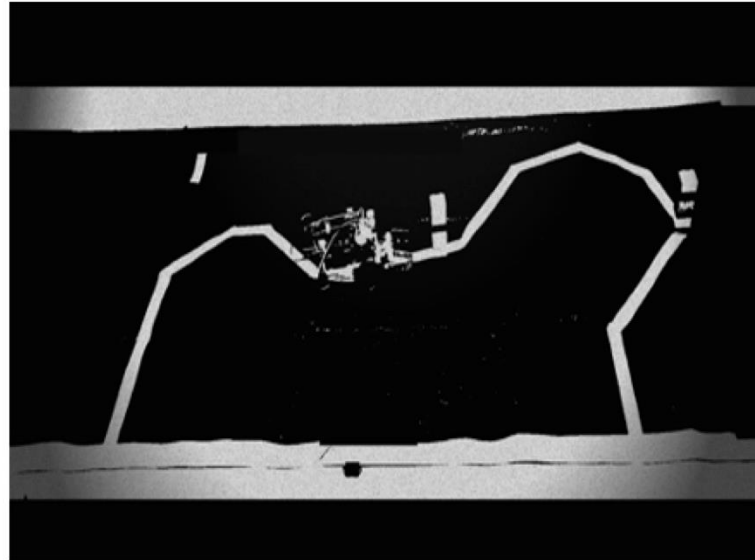
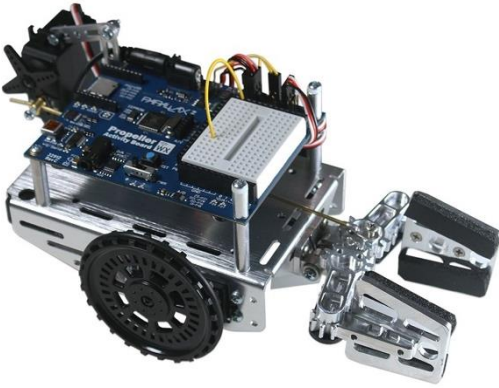


Model and simulate a coastal flooding scenario



Autonomous Robot Project

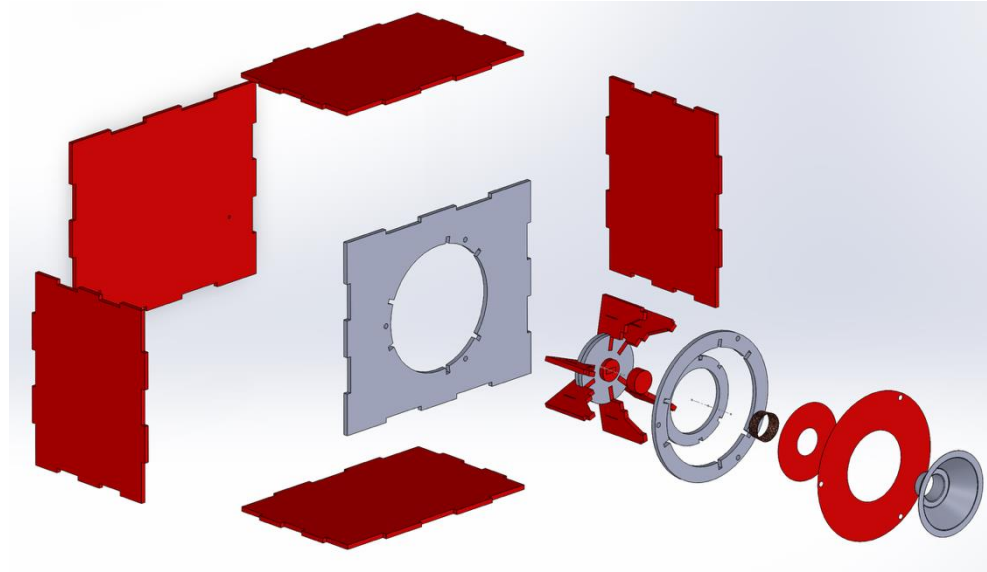
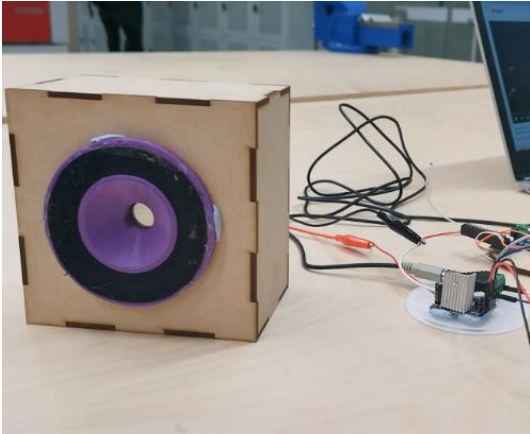
Design, program and demonstrate an autonomous robot



Learn how robots interact with the world through their sensors and control them in order to perform a task involving picking up objects from a track.

Speaker Design Project

Design, build and test an audio speaker system



Learn how to model and design physical objects by designing, building and test your own basic speaker that is capable of generating sound or music from any external source such as a smart phone, computer, or other music player

Coastal Flooding Modelling Project

Model and simulate a coastal flooding scenario



Learn how to visualise and represent the geography of the landscape in digital elevation models (DEMs) to predict the behaviour of floods in cities and explore effects of protection against floods

Workshops

- You should be enrolled in one, three-hour workshop class per week. These classes are mandatory and **start in Week 2** (except Friday workshops, which start in Week 1).
 - Listed as “Workshop 1” in your personal timetable
- In the workshop classes, you will be experiencing a mix of theory, practical and project design work, led by a lecturer and several demonstrators.
 - **Part A** – Workshop Learning
 - **Part B** – Project Activities

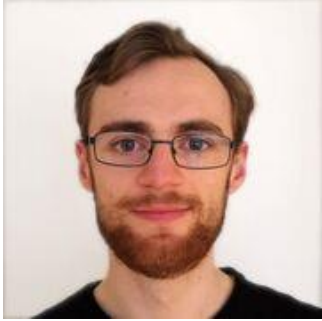
Stay tuned for announcements about workshops

Workshops

- Workshop classes are split according to the three project streams:

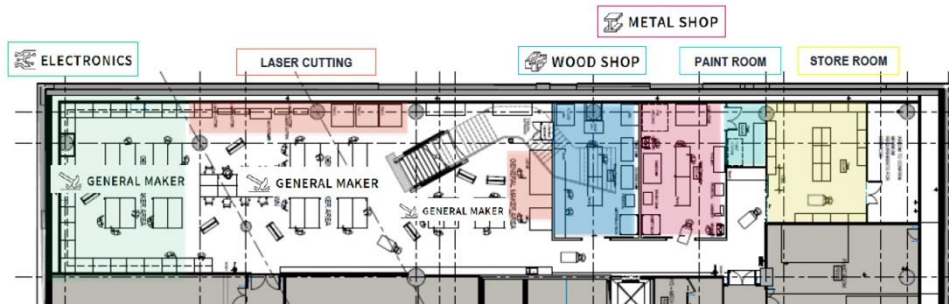
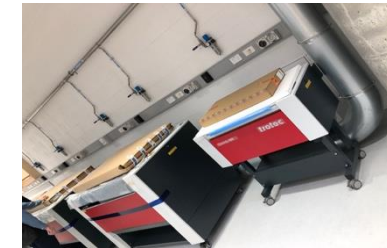
Project stream	Delivery mode	Workshop classes
Autonomous Robot	On-campus	W02 – Monday 12pm-3pm W13 – Monday 3pm-6pm W04 - Tuesday 3pm-6pm W05 - Wednesday 9am-12pm W10 - Thursday 3pm-6pm W12 - Friday 12pm-3pm
Speaker Design	On-campus	W03 – Tuesday 9am-12pm W07 – Wednesday 3pm-6pm W08 – Thursday 9am-12pm W09 – Thursday 12pm-3pm
Coastal Flooding Modelling	On-campus	W01 – Monday 9am-12pm W06 - Wednesday 12pm-3pm W11 – Friday 9am-12pm

The EMD Teaching Team

Autonomous Robot Project Leaders	Speaker Design Project Leaders	Coastal Flooding Modelling Project Leaders
Prof Gavin Buskes 	Prof Brian Krongold 	Alan Thomas 
Dr Elisa Lumantarna 	Dr Bagus Nugroho 	Dr Andrew John 

EMD goes beyond the classroom...

- The Creator Space



Address

G203, Level G 700 Swanston St
(Building 290) Parkville

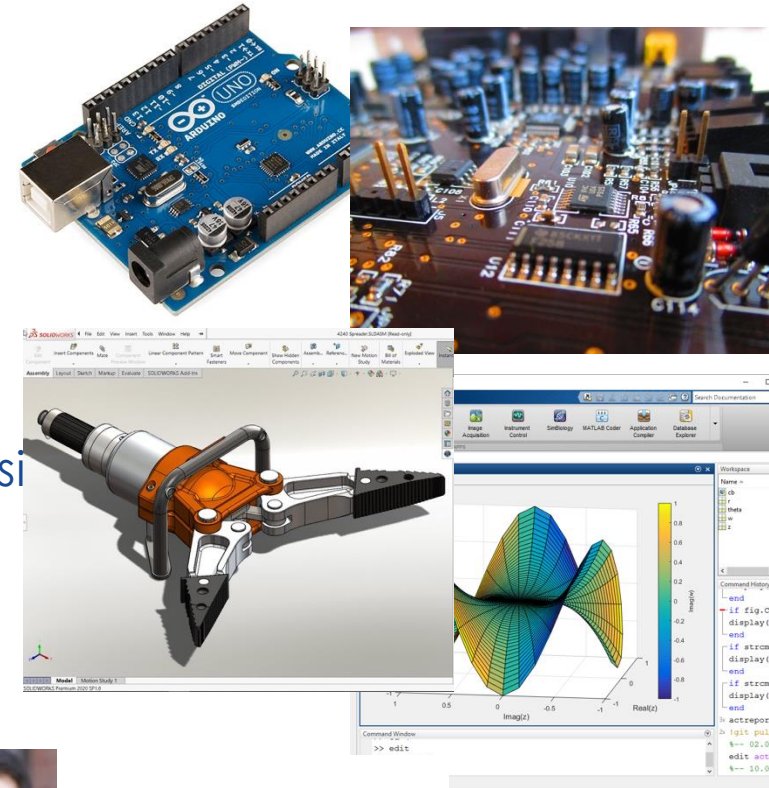
Opening hours

Access the space from 10:00am
to 7:00pm Monday to Friday.

You MUST complete the induction to access the Creator Space

EMD Skills Modules

- Self-enrolled skills modules
 - Project-related (Technical)
 - Simulink Modelling
 - Simulink Stateflow Robot Control
 - Programming with Arduino
 - Introduction to Circuit Theory and Analysis
 - Introduction to CAD and 3D printing
 - Introduction to Mapping with QGIS
 - Assessment-related (General)
 - Making a short video
 - Report writing
 - Teamwork



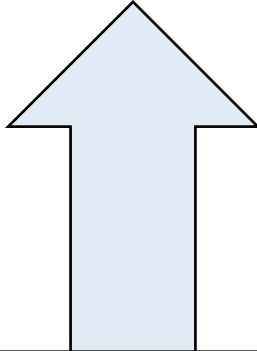
Information on CANVAS:

Subject Overview->Skills Modules

EMD Skills Modules

- Skills modules will occur in the “Workshop 2” timeslots in the subject timetable
 - You DO NOT need to enrol in these via your personal timetable.
 - Enrolment is via Canvas sign up list.
- Skills modules will occur at different times during semester – check the LMS for the schedule!

ETS + EMD = Engineering!

First Year Science		Project				Skills
Sem 1	Engineering Technology and Society	Renewable drinking water pumping system for a remote community 			Develop and use technology to solve problems, using software tools and fabrication technologies to design and test engineering solutions.	 Teamwork Communication Design Software CAD
Sem 2	Engineering Modelling and Design	Autonomous Robot	Speaker Design	Coastal Flooding Modelling	Depth and breadth of the engineering design process, gaining competency in the technical tools and professional skills required to complete a design challenge.	

Subject Schedule

- Lectures will take place according to the following schedule:

Teaching Weeks		Lecture days	
1 and 2	Monday 5pm-6pm	Thursday 3pm-4pm	
4	Monday 5pm-6pm	-	
8	Monday 5pm-6pm	-	
10	Monday 5pm-6pm	-	
12	Monday 5pm-6pm	-	

- Location:
 - Glynn Davis B117

How will we be assessed?

Assessment overview

	Module marks	Assessment component(s)	Description	
Individual (40%) * hurdle requirement	10%	Online Assessments	Robotics & Speaker	8 workshop prep activities x 0.5% 1 end-of module quiz x 6%
			Coastal Flooding	7 workshop prep quizzes (6 x 0.5%, 1 x 1%) 1 end-of module quiz x 6%
	18%	Workshop Assessments	3 Milestone assessments* x 6%	
	2%	Peer Assessments	2 Peer Assessments x 1%	
	10%	Skills modules	2 skills modules x 5% each (one general and one technical)	
Group (60%)	10%	Project Plan	Semester-long project related assessments	
	5%	Project Video Presentation		
	35%	Project Final Report		
	10%	Project Demo		

* Workshop attendance is a requirement in order to be awarded the Workshop Assessment marks.

Canvas



- <https://canvas.lms.unimelb.edu.au/>
- EMD's Canvas page contains all resources for the subject:
 - Important announcements
 - Subject information
 - Lecture slides & recordings
 - Workshop materials
 - Skills modules enrolment and self-paced learning
 - Assessment materials, due dates, submission portals
 - Ed Discussion Board (please use this!)
 - Your grades

Join the Engineering and IT Community

THIS COMMUNITY IS FOR FUTURE
ENGINEERS AND IT PROFESSIONALS
STUDYING AN UNDERGRADUATE DEGREE
AT THE UNIVERSITY OF MELBOURNE

These are some of the benefits of joining the Community:

- Get access to course information through personalised consultations with staff
- Receive the latest engineering and IT news at Melbourne
- Learn about careers in engineering and IT
- Network with industry
- Get invited to a BBQ each semester and other social events



Join now!





COMPUTING & SOFTWARE SYSTEMS

Become a computing professional. Learn to develop software that is:

- Reliable
- Maintainable
- Secure
- Efficient
- Meets the needs of a user



First-year subjects

- COMP10001: Foundations of Computing
 - This presentation
- COMP10002: Foundations of Algorithms
 - Develop fine control over low-level details of program execution
 - Assess the cost of design decisions on overall performance
 - Explore a range of standard data structures and algorithms
 - Learn to program in C



COMP10001:

Foundations of Computing

Semester 1: Chris Ewin, Geela Chee
Semester 2: Geela Chee, Simon D'Alfonso
Summer Term: Bin Chen



Subject Objectives

Students should be able to:

- Use the fundamental **programming constructs** (sequences, iteration, conditionals)
- Use the fundamental **data structures** (strings, tuples, lists, dictionaries)
- Use **abstraction constructs** such as functions
- Understand and employ some **basic program structures**
- Understand and employ some **basic algorithmic problem solving techniques**
- **Read, write, and debug programs**

Delivery mode

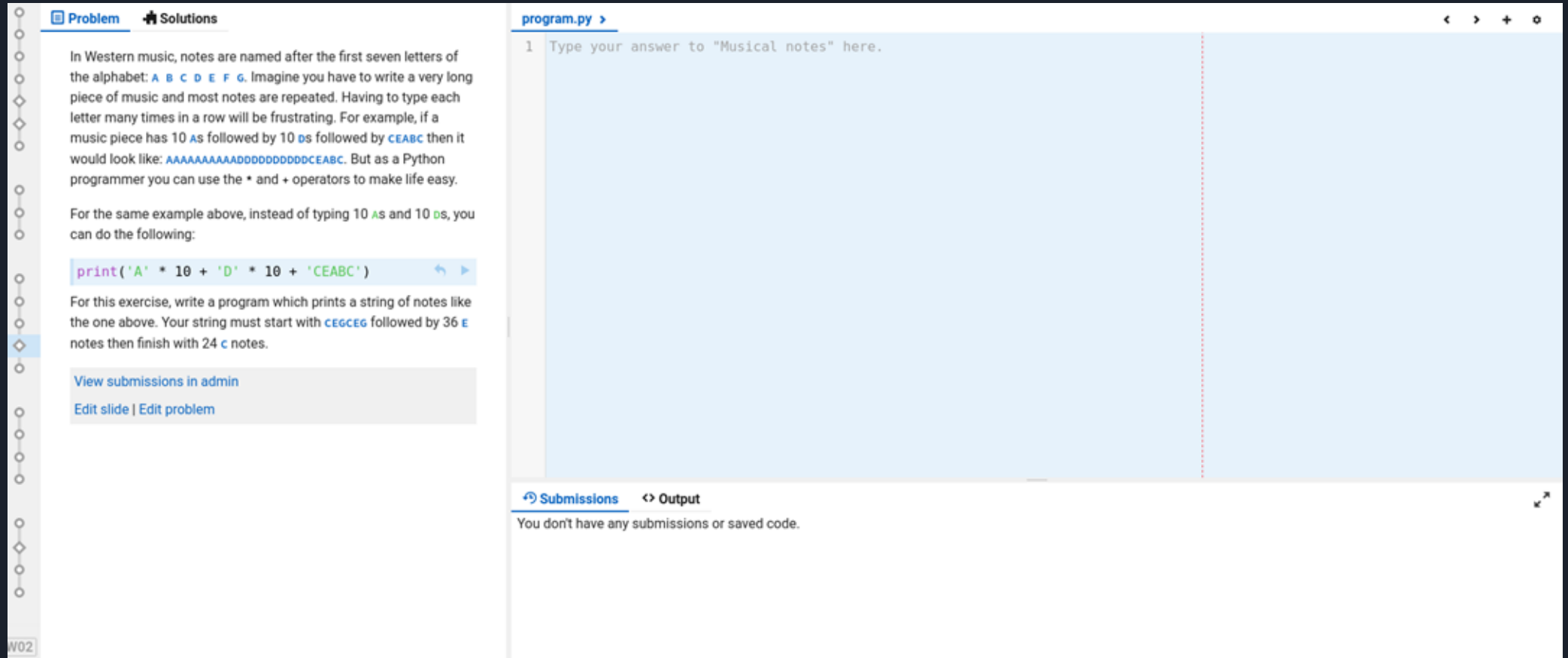
- 3 x 1-hour lectures per week
 - Introduce key subject content
 - Recorded, but try to attend in-person if possible!
- 1 x 2-hour workshop per week
 - Practical coding-based activities to understand the material
 - Group activities
 - Begins Week 2







Lots of Practice! Worksheets in Ed



The screenshot shows a web-based programming practice environment. On the left, a sidebar contains a vertical list of problem icons, with the current problem icon highlighted. The main content area is divided into two panels. The left panel, titled "Problem", contains the following text:

In Western music, notes are named after the first seven letters of the alphabet: **A B C D E F G**. Imagine you have to write a very long piece of music and most notes are repeated. Having to type each letter many times in a row will be frustrating. For example, if a music piece has 10 **As** followed by 10 **Ds** followed by **CEABC** then it would look like: **AAAAAAAAADDDDDDDDDCEABC**. But as a Python programmer you can use the ***** and **+** operators to make life easy.

For the same example above, instead of typing 10 **As** and 10 **Ds**, you can do the following:

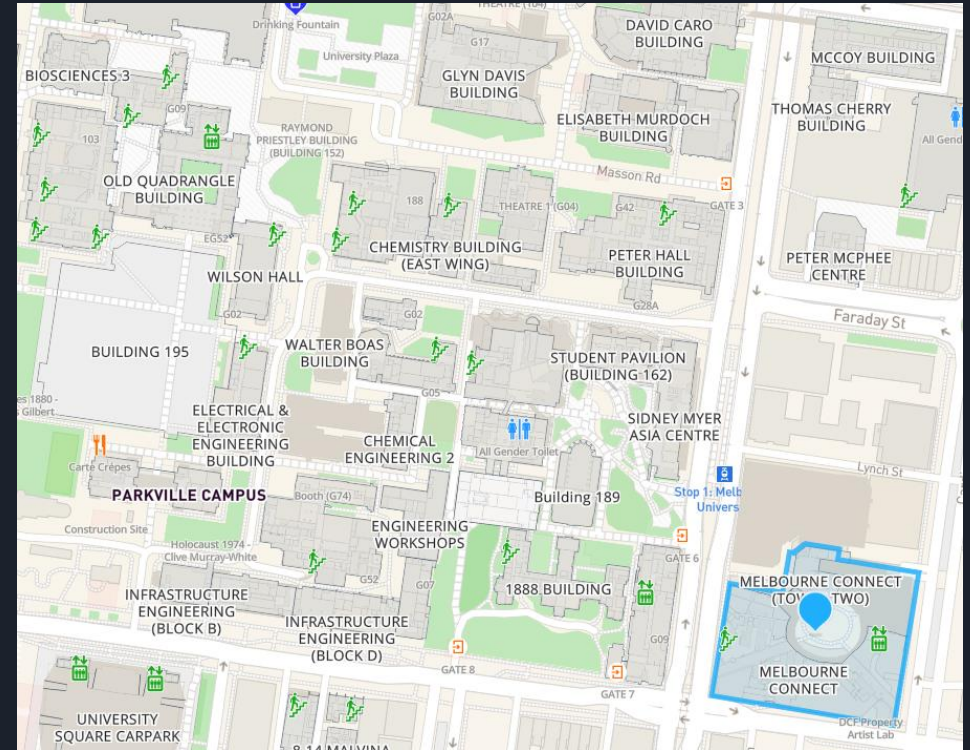
```
print('A' * 10 + 'D' * 10 + 'CEABC')
```

For this exercise, write a program which prints a string of notes like the one above. Your string must start with **CEGCEG** followed by 36 **E** notes then finish with 24 **C** notes.

Below the text are two links: "View submissions in admin" and "Edit slide | Edit problem".

The right panel, titled "program.py", is a code editor with a light blue background. It contains a single line of text: "1 Type your answer to 'Musical notes' here." Below the code editor, there are two tabs: "Submissions" and "Output". The "Submissions" tab is active, and it displays the message: "You don't have any submissions or saved code."

- 





Subject Assessment

- **30% Projects (x2).** These projects will be due in approximately Week 8 and Week 11.
- **10% Mid-semester test.**
- **10% Ed worksheets.** Weekly submissions due from Week 3 onwards.
- **50% Final exam.**
- **Hurdle requirements.** To pass the subject, you must achieve:
 - At least 30/60 on exam + Mid-semester test combined
 - At least 20/40 on projects + weekly worksheets combined

TL;DR

You will:

- Learn to **speak Python**
 - Excel your problem solving skills
 - Learn how to **CONCEPTUALIZE, MODULARIZE and FORMALIZE** a problem!
-
- If you enjoy **puzzles, argument, philosophy and games**
... oh and fun, take the subject!

Already experienced in programming? Would like to go straight to COMP10002?

Take COMP10001 Proficiency Test!

<https://cis.unimelb.edu.au/study/programming-proficiency-test>



Schedule



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1:05pm - 1:35pm	Engineering and Information Systems	Earth Sciences
1:40pm - 2:10pm	Biology	Physics
2:15pm - 2:45pm	Chemistry	Geography



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First-Year
Biology

BIOL10010

Life's complexity

Subject coordinator
Dr Anna Lister

BIOL10010-info@unimelb.edu.au

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Life is very diverse



How to make sense of it all?

Semester 2



Diversity and adaptations for life



Evolution and population dynamics

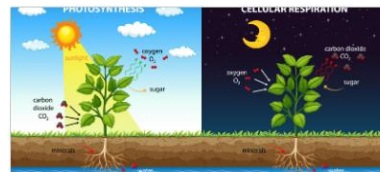


Species interactions, communities and ecosystems

Semester 1



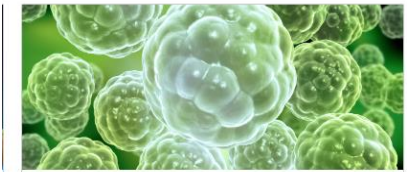
The Chemistry of Life



Cells and Energy



Genes and Heredity



Multicellularity

Completing these subjects is the gateway to a major in the life sciences

Core Biology Subjects at First Year



Semester 1:

- BIOL10008 Foundational Biology: Life's Machinery

Semester 2:

- BIOL10010 Foundational Biology: Life's Complexity

Both subjects can be taken with or without Biology VCE Units 3&4 or equivalent (e.g. IB)

Completing these subjects is the gateway to a Major in the life sciences, veterinary science, optometry and more.

Check the handbook to see the prerequisite requirements for 2nd and 3rd year subjects in each Major

Other Biology Subjects at First Year



Semester 1:

- GENE10001 Genetics in the Media

Semester 2:

- BIOL10001 Flora and Fauna of Australia

Both subjects can be taken with or without Biology VCE Units 3&4 or equivalent (e.g. IB)

These subjects are optional

Biology as Breadth



Semester 1:

- BIOL10008: Foundational Biology: Life's Machinery
- GENE10001: Genetics in the Media

Semester 2:

- BIOL10010: Introductory Biology: Life's Complexity
- BIOL10001: Biology of Australian Flora and Fauna

You can only do a **maximum of three** BIOLOGY subjects in First Year (37.5 points cap for breadth at Level 1)

If you are in the **BSc**, these subjects **can not be breadth but will count as Science points**.

What will my week at uni look like?



Lectures – Interactive
(3 per week)



Learn and apply
concepts

LMS Support

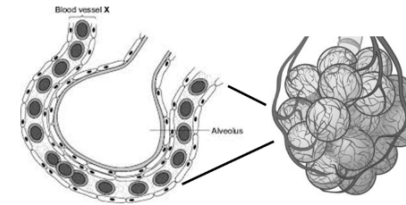


Figure 1. Alveoli in a mammalian lung with schematic detail of an alveolus and associated capillary

Figure 1. Alveoli in a mammalian lung with schematic detail of an alveolus and associated capillary

1 attempt. You got 0% correct on your last attempt. [Start over](#)

In the context of Figure 1 (above), explain aspects of this system that maximise rates of diffusion. Incorporate all the variables in Fick's law in your answer. (4 marks)

t/o.u/

Sample solution

Use this marking guide to review and assess your own answer (HSP will not give you an accurate mark)

4 marks total for the question

Surface area (1 mark for covering any of the following points)

- by having many alveoli, the surface area of the exchange surface is increased
- by having many capillaries, the surface area of the exchange surface is increased

Diffusion distance (1 mark for covering any of the following points)

- The fusion of the pneumocytes of the lung and endothelial cells of the capillaries minimises the distance for diffusion
- By having only a very thin layer of fluid lining the lungs diffusion distance is minimised

Partial pressure gradient (1 mark for covering any of the following points)

Revise and apply
concepts

What will my week at uni look like?



Workshop
(1 per fortnight)



Apply concepts
Scientific skills

Practical
(1 per fortnight)



Scientific skills
Collect and analyse
data

Where to find support?

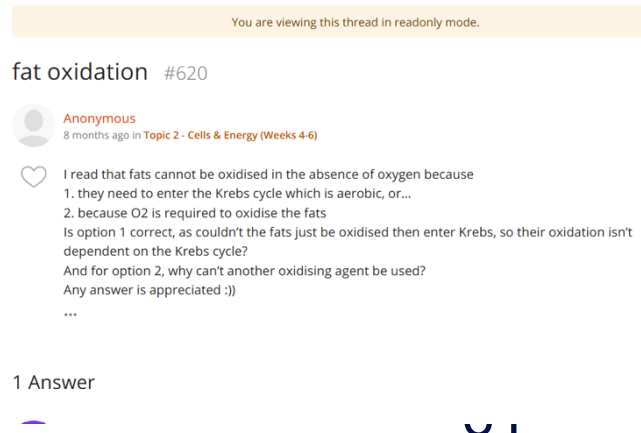
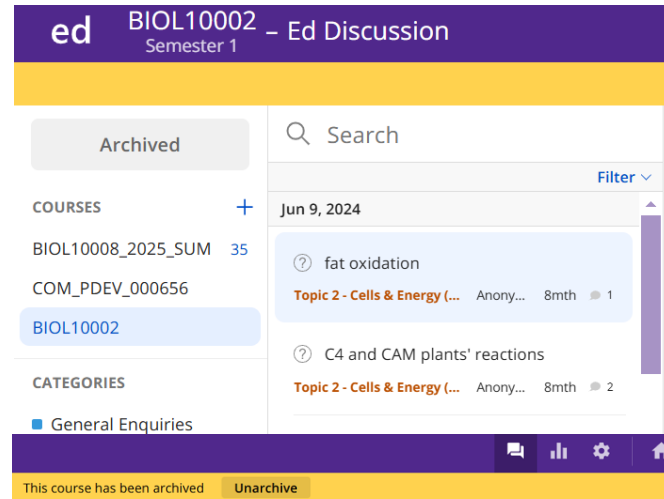


Student space



- Q & A with academics
- Study groups

Discussion forum



PASS



- Led by peer (2nd/3rd year)
- Study skills
- Connection



Academic Skills

Develop the academic and professional skills you need for your studies and beyond.

Learning from recordings

On this page

- [1. Create a productive study space](#)
- [2. Review materials that will be discussed in the recordings](#)
- [3. Stay motivated](#)
- [4. Take notes \(in a way that suits you\)](#)
- [5. Find out about the functions of lecture recording](#)
- [6. Check your tech](#)

Six top tips from UoM students to help you engage with online recordings

Many of your subjects will provide you with content in different formats, including text, videos and recordings. If you've never studied online before, you might find you need to adjust your study strategies to suit this mode.



Hear tips for learning online from other students.

Note taking

On this page

- [Nine tips for note taking and synthesising](#)
- [Three methods of categorising and organising information](#)
- [A final tip](#)

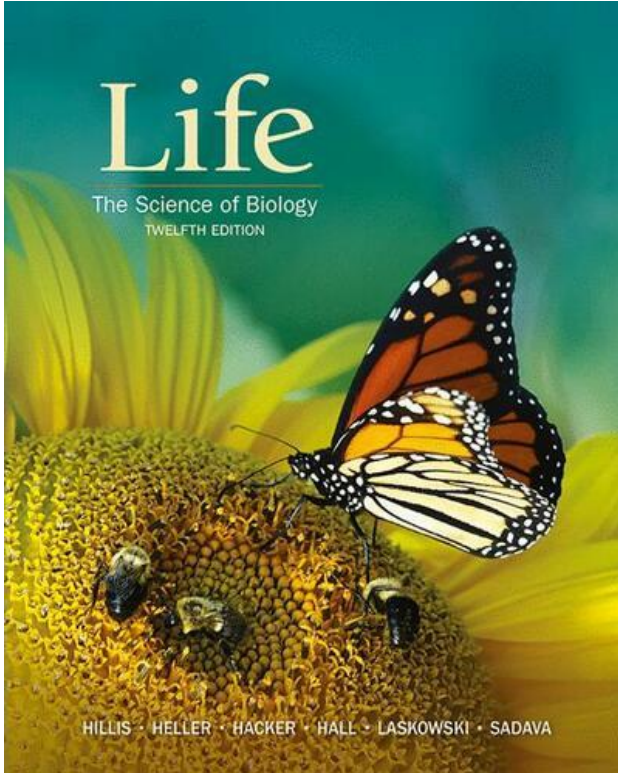
Tips to help you take notes and synthesise ideas from readings efficiently and effectively.

Nine tips for note taking and synthesising

It's important to take notes while reading, as it helps you to critically engage with the text (improving your understanding), avoid accidental plagiarism and identify, record and synthesise themes without having to go back and re-read later on.

- Choose an active note taking method ▾
- Record references as you read ▾
- Be selective ▾
- Use your own words ▾
- Keep the topic and your plan with you while you are reading ▾
- Critically evaluate what you're reading ▾
- Note down how you might use the texts in your paper ▾
- Recognise when to stop reading ▾
- Synthesise ideas ▾

Prescribed text



Life: The Science of Biology, 12th edition

Hillis, Heller, Hacker, Hall, Laskowski, O'Connell & Sadava

eBook; ISBN: 9781319325473

eBook, Achieve platform; ISBN: 9781319504861

Print, eBook, Achieve platform; ISBN: 9781319518677

Details for purchase of textbook are on Canvas.

This and other texts will be referenced in lectures.

These are all listed in the LMS with the lectures.

BIOL10010 Assessment

- **Two open-book* quizzes, online (2 x 10%)**
- **Mid-Semester Test, in-person (20%)**
- **Exam, in-person (40%)**
 - Hurdle of 30% minimum
- Written research report (individual and team delivery) (20%)
 - *Developed from own data*
- Satisfactory completion of in-class practical tasks
 - Hurdle of 80%



Student's prior knowledge



Builds on high school biology/science curriculum

**Covers a proportion
of high school
curriculum**



**Extends, focus on application to novel scenarios,
broader connections not necessarily more depth**

**For students that did not study high school biology,
focussing on understanding concepts/terminology
and keeping up-to-date is key**



**The mark distributions
are very similar for
both cohorts**

**Any students who want to review or prepare for the subject should review the ILO
document, glossary table and suggested reading lists/topics available before
semester begins**

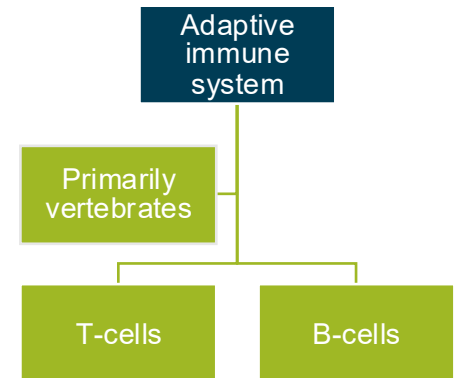
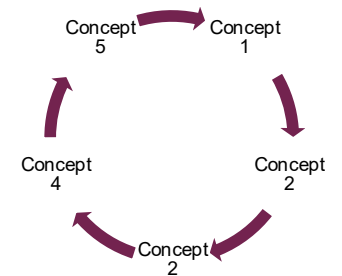
Success in Biology

What one thing would set me up for success in biology, it would be.....

Connecting ideas!

DO.....whatever works best for you:

- Narratives, diagrams, flow charts, mind maps, watch videos, etc.
- Focus on the key points and how they fit to the concept.
- Examples, examples, examples
- What happens if this step stops working....
- Annotate (much, much) more than what's on the lecture slides
- Use the Academic Skills resources to help with hints about notetaking



What to bring to your campus classes



- **Willingness to work collaboratively**
- **Confidence to step outside your comfort zone**
- **Courage to be wrong (admit it and learn from it)**
- **Relevant notes (practical notes, worksheets etc.)**
- **The usual pens and paper, laptop/tablet, etc**
- **Personal Protective Equipment (PPE) for practicals**
 - Purchase from chemistry basement store (Bld. 153)

TAKE OWNERSHIP OF YOUR OWN LEARNING!!!



Faculty of
Science

Thank You

We look forward to seeing you this semester!



science.unimelb.edu.au



Schedule



Getting Started Session Times	Carrillo Gantner Theatre (B02)	Room G07
12:30pm - 1:00pm	Maths and Stats	
1:05pm - 1:35pm	Engineering and Information Systems	Earth Sciences
1:40pm - 2:10pm	Biology	Physics
2:15pm - 2:45pm	Chemistry	Geography

Welcome to First-Year Chemistry

Chemistry 1 (CHEM10003)

Dr Jake Rowan
School of Chemistry

Structure of the subject

CHEM10003

- 3 x 1-hour on-campus lectures per week (36 lectures)
- 1 x 1-hour tutorial per week (starting week 2)
- 6 x 3-hour practical classes (throughout the semester)

Assessment

- 3-hour exam – end of semester – 65%
- 11 x 30-min Weekly Feedback Quizzes – 15%
- 6 x 3-hour practical classes – 20% (hurdle)
- 2 x Independent Learning Tasks – 0% (hurdle)

The LMS/Canvas has all the information you need



≡ CHEM10003_2026_SM1

2026 Semester 1

Home

Announcements

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2026 Semester 1

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Readings Online

Grades

Zoom

Office 365

My Echo360 Media

Gradescope

Wiley Course
Resources

Recent Announcements

Chemistry 1 (CHEM10003_2026_SM1) ▲▼



Welcome

Welcome to Chemistry! We are very excited to be part of your continuing exploration of science and our current understanding of the world around us and within us - through the looking glass of Chemistry.

During this subject we will explore the structure of the fundamental building blocks otherwise known as an atom and answer the questions:

- Is there a model to describe the electronic structure of atoms?
- How do atoms form bonds?
- How do you predict what a molecule looks like and depict and describe the molecular shape?
- How do you predict if a reaction will happen?

Chemistry is explored through experiment and observation, and in tandem with theory, you will build on essential

Lectures



- CHEM10003 - 3 x 1-hour on-campus lectures per week (36 lectures in total)
- *Lecture recordings are available as an aid for study (but are NOT a replacement for attending in person or watching the live stream)*
- 10:00 am Tuesday: Carrillo Gantner Theatre
- 1:00 pm Wednesday: Kathleen Fitzpatrick Theatre
- 1:00 pm Thursday: Carrillo Gantner Theatre

Lectures



- **READ** the learning objectives for the week and any module-specific communication that is circulated before lectures
- **LISTEN** to lectures (face to face, live stream, or via recordings)
- **ASK** your lecturer questions if there are things that you'd like to have explained further or in a different way
- **WRITE** your own notes during class time. Expressing things in your own words can often help in understanding them
- **TALK** to your peers about the content. Sometimes if you aren't sure about something, others in the class also have questions about the same things!

Locate Learning Material in each module



▼ Weekly Learning Modules

 **Week 1 (02/03/2026)**

 **Week 2 (09/03/2026)**

 **Week 3 (16/03/2026)**

 **Week 4 (23/03/2026)**

Week 1 (02/03/2026) ▲▼

Lecture Notes

Tutorial Questions

Recommended Reading/Syllabus

Practical Class

Practice Questions

Weekly Feedback Quiz

Welcome to Week 1

Welcome to your first week of CHEM10003 and my content, which provides you with a fundamental understanding of gases, atoms, and light. I structured this page in a specific way to assist you with transitioning from school to uni and to help with your learning. Please follow the steps below in the given order.

Tutorials



- A chance to work on your understanding of chemistry
- Ask your tutor / peers questions
- Great place to help other students
- 1 x 1-hour class per week
- Tutorial questions are located in the Weekly modules on Canvas
- Start in Week 2!!

Tutorials



- **READ** the tutorial questions before attending class.
- If you like, try solving the questions before the tutorial
- **DISCUSS** the questions and answers to workshop problems during class with your group / table / Tutors
- **PRESENT** your work to your group / table / Tutors when required
- Take **NOTES** during the tutorial
- **ASK** your Tutors for help with: question, problems; understanding concepts from the lectures; understanding the requirements of upcoming assessment items. You will see the Tutors every week so they may be more accessible to you than lecturers .

Find the tutorial questions

Tutorial Classes Start in Week 2!



▼ Weekly Learning Modules

 Week 1 (02/03/2026)

 **Week 2 (09/03/2026)**

 Week 3 (16/03/2026)

 Week 4 (23/03/2026)

Week 2 (09/03/2026) ▲▼

Lecture Notes

Tutorial Questions

Recommended Reading/Syllabus

Weekly Feedback Quiz

Tutorial Class

[Week2 CHEM10003 Tutorial Questions S1 2026.pdf](#) ↓

[Week2 CHEM10003 Tutorial Questions S1 2026.docx](#) ↓

[Week2 CHEM10003 Tutorial Solutions S1 2026.pdf](#) ↓

[Week2 CHEM10003 Tutorial Solutions S1 2026.docx](#) ↓

Tutorial solutions will be made available at 5:00pm (AEDT) Friday 13th March.

Practical Class



- **READ** the practical notes before attending class.
- 6 x 3-hour practical classes you **MUST** attend.
- Passing the Practical component is a **HURDLE** requirement for passing the subject.
- It is expected all six experiments are completed.

A minimum of 4 must be completed to pass the hurdle requirement.

If you miss an experiment, organise a make-up class or apply for special consideration

- You won't have a practical class every week

No need to go to the Laboratory when no experiment is scheduled.

Laboratory Timetable - LMS



Which experiment am I doing?

In order to work out your Practical Timetable and the practical assignment you will be doing, you will need to know:

- The day and time of your practical class (from your *mytimetable*)
- Your group number (from your *mytimetable*)

****EXAMPLE ONLY****

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	W
Group	Week Beginning 28-Jul	Week Beginning 04-Aug	Week Beginning 11-Aug	Week Beginning 18-Aug	Week Beginning 25-Aug	Week Beginning 01-Sep	Week Beginning 08-Sep	B
11		E1		E2		E4		
12	X	E1	X	E2		E4		
13	E1		E2		E4		E5	
14	E1		E2		E4		E5	

In a week when no experiment has been scheduled, you do not turn up to class.

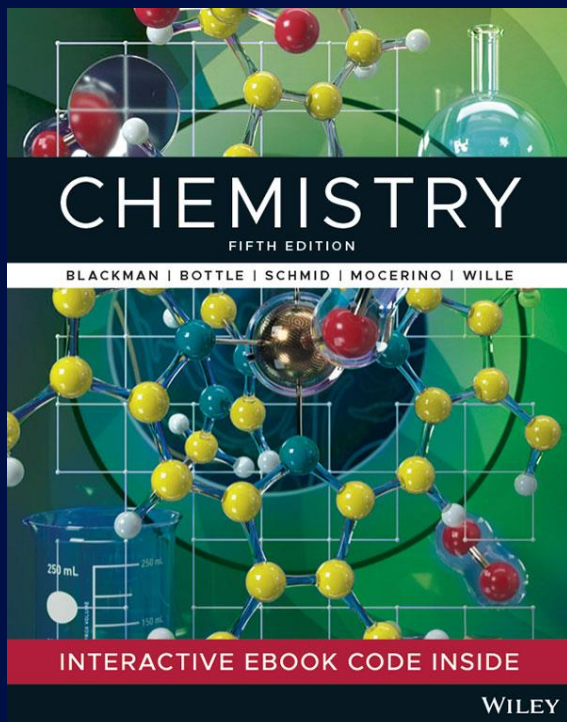
What to Bring to Practical class



- Printed copy of practical notes.
- Personal Protective Equipment (PPE)
 - Laboratory coat (You will need to buy)
 - Safety glasses or goggles (You will need to buy)
 - Shoes that completely cover your feet!
- Calculator (mobile phones are NOT calculators)
Casio FX-82 (any suffix)
- PPE is available from:
 - Chemistry basement store (Bld. 153)

PPE MUST be put on before entering the Laboratory!!!

Prescribed Text



CHEM10003 (Chemistry 1)

- Chemistry 5th Edition
- Blackman, Bottle, Schmid, Moceriono and Wille
- Do not buy the WileyPlus Platform

How do I engage with the content?

- Review the lecture material and your own notes
- Read the relevant sections in the book
- Do the Wiley Plus practice questions on the LMS (do them before your feedback quizzes)
- Actively participate in your tutorials
- Keep up to date with any announcement we make on the LMS (read the weekly newsletters)
- How to ask questions about the content?
 - Ask your peers, form a study group
 - Look at any announcements for drop-in help sessions
 - Use EdDiscussion (our online discussion board)



Where to get help?

Online discussion Board

Ed Discussion

ed CHEM10006 – Ed Discussion
Semester 2

New Thread

Search

Filter

COURSES +

CHEM10003

CHEM10004_2025_SUM 12

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CHEM10006 275

CATEGORIES

Welcome!

General Sonia Horvat STAFF 6mth 1

Welcome!

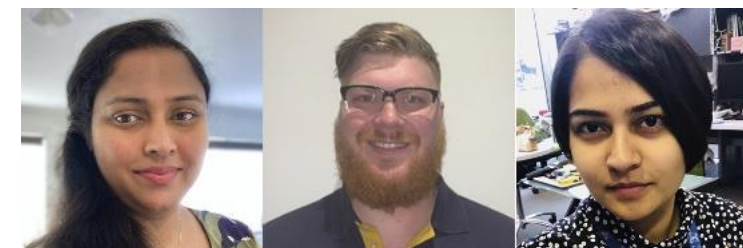
General Sonia Horvat STAFF 6mth 1

Nov 24, 2024

Drop-in Help Sessions



Your Tutor



The University

Academic Skills

Develop the academic and professional skills you need for your studies and beyond.

Home Student appointments Student workshops Resources Graduate research services English language development

Peer Assisted Study Session (PASS) Program



What is PASS?

- PASS are weekly, subject-specific study sessions providing an inclusive space for all students
- Sessions are led by an experienced student known as the PASS Leader
- PASS Leaders design and facilitate the sessions based on student needs
- Students can expect to discuss topics and apply strategies to build confidence

Subjects listed below:



<https://students.unimelb.edu.au/academic-skills/home/peer-assisted-study-sessions>



Ivan Sokolov
PASS Leader

Why join PASS?

It's a great place to make like-minded friends. It can make difficult and daunting subjects seem not so scary. Great energy, great vibes in the room having someone who is always rooting for you.

The First-Year Chemistry Team



Dr Sonia Horvat
Director First-Year Chemistry



A. Prof. Lars Goerigk
Deputy Director First-Year Chemistry

CHEM10003



Dr Marcus Giansiracusa



Dr Sonia Horvat



Prof. Brendan Abrahams

Lab Staff



Dr Jack Parsons



Dr Yulia Valenchenko



Ms Meredith Potter

Teaching Assistants



Dr Saumya Udagedara



Dr Jake Rowan



Dr Parv Sidhu



Thank You!
Good Luck and Have Fun!
Any (admin) questions :
chemistry-first-year@unimelb.edu.au



Faculty of
Science

Thank You



science.unimelb.edu.au