Welcome to the School of Mechanical and Mining Engineering

Master of Engineering
Master of Engineering Science
Master of Engineering Science (Management)
Graduate Certificate in Engineering Science
Acknowledgment of Country

It is our custom to open important gatherings such as this with a Welcome to Country.

We acknowledge the Traditional Owners and their custodianship of the lands on which UQ operates.
We pay our respects to their Ancestors and their descendants, who continue cultural and spiritual connections to Country.
We recognise their valuable contributions to Australian and global society.
Welcome to the School of Mechanical and Mining Engineering

Professor Ross McAree (Head of School)
Dr Alex Klimenko (Postgraduate Programs Leader)
Carlos Cubas Alcantara Postgraduate Student Representative
Ms Minami Yoshida (School Office)
Recording of this Presentation

Students, please be aware that this session is being recorded so it can be made available via the Faculty of EAIT orientation page. The reason we are recording the orientation presentation is to make it available for your future reference, and to support students who may not have been able to attend today’s session.

Suggested options for students not wishing to be recorded:

- Turn off video and mute audio
- Use a proxy name for Zoom (student attendance will still be on record with the Course Coordinator)

Please note that students are not permitted to record teaching without the explicit permission of the Course Co-ordinator. This includes recording classes using Zoom.

For further information:

- PPL 3.20.06 Recording of Teaching at UQ
Head of School Welcome – Professor Ross McAree

- The School of Mechanical and Mining Engineering is internationally renowned for its excellence in teaching, discovery and engagement.
- Our school has educated industry leaders, and the research conducted by our staff and students defines new avenues of knowledge to address critical societal challenges.
- With over 80 academic staff, including 15 professors, we provide quality programs and leadership in engineering education, research and development, and expert consulting. We have established an excellent reputation for the quality of our graduate training and research performance.
- With approximately 400 students entering our undergraduate engineering plans each year, more than 170 MPhil and PhD students, and over 130 postgraduate coursework students, we maintain an unceasing commitment to help them learn, grow, and develop to realise their aspirations.
- Our students are taught by highly awarded lecturers, who have received Faculty, University and national awards and citations for their teaching excellence and outstanding contributions to student learning.
academic advisor & program leader

You can seek help from the following Academic Advisor with regards to any problems associated with your program:

Dr Alex Klimenko
a.klimenko@uq.edu.au
Phone: 336 53670
Room: 45-320

**Individual zoom consultations:** Tuesdays 2pm (email if the matter you wish to discuss is confidential)
[https://uqz.zoom.us/j/88253231842](https://uqz.zoom.us/j/88253231842)

**Master Student Zoom Club:** Tuesdays 12-1pm
- group discussions, questions, problems, communications between students
[https://uqz.zoom.us/j/86276542504](https://uqz.zoom.us/j/86276542504)
These meetings are not recorded.
Master of Engineering

- 2 years program if undertaken full time (8 units per semester)
- You will follow one of the following fields of study:
  - Materials and Manufacturing Engineering Field of Study
  - Mechanical Engineering Field of Study

- For enrolment advice refer to suggested study planners: [https://www.mechmining.uq.edu.au/future-postgraduate-coursework](https://www.mechmining.uq.edu.au/future-postgraduate-coursework)

- You must complete 450 hours of Engineering Professional Practice to satisfy the requirements of Engineers Australia. Previous industry work experience counts towards this requirement - contact the EAIT Employability Team for more information.
- You must complete #8 project commencing either in second or third semester of your program.
Master of Engineering Science #16

- 1 year program if undertaken full time (8 units per semester)
- You will follow one of the following fields of study:
  - Materials and Manufacturing Engineering Field of Study
  - Mechanical Engineering Field of Study
  - Mechatronic Engineering Field of Study

For enrolment advice refer to suggested study planners: https://www.mechmining.uq.edu.au/future-postgraduate-coursework

- If you wish to undertake a year long project, you must enrol project (ENGG7342 or ENGG7382) in semester 2 2021. Or one semester long project ENGG7340 either this semester or the following semester.
Master of Engineering Science (Management) #32

- MEngSc (Management) - a student is required to obtain 32 units comprising:
  - 8 units from Part A
  - 4 units or 8 units from one group within Part B (a project course);
  - 14 units from Part F (management electives); and
  - the balance from Part C or other courses approved by the Executive Dean.

- Refer to the course list.

For enrolment advice refer to suggested study planners: [https://www.mechmining.uq.edu.au/future-postgraduate-coursework](https://www.mechmining.uq.edu.au/future-postgraduate-coursework)

- Refer to the course list for the following fields of study:
  - Materials and Manufacturing Engineering Field of Study
  - Mechanical Engineering Field of Study
  - Mechatronic Engineering Field of Study
Before you can enrol in a research project course, you need to find a project topic and an academic supervisor.

Selection of a project topic can be done in the following ways:

1. The School publishes a list of potential project topics on its projects database, available at [https://student.eait.uq.edu.au/projects](https://student.eait.uq.edu.au/projects). Students can select a topic from this list. Contact the supervisor and gain support from the supervisor to take on the project.

2. If you cannot find a project on the projects database that you are interested in, you can search for a different academic staff member in your area of interest using the UQ Researchers website. UQ Researchers provides a summary of current UQ staff, their research interests and contact information. If you find a staff member doing research that you are interested in, contact them directly via email for an available topic.

3. A student may propose their own topic for a project. The student is required to present their proposed topic to an academic for discussion. Here is the list of current School Academic Staff. The final decision on whether the student may do the project is up to the UQ academic.
# Thesis/Research Project options

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Project Type</th>
<th>Semester 1 or 2</th>
<th>Semester Duration</th>
<th>Year-long</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGG7340</td>
<td>MEngSci &amp; MEngSci (Man)</td>
<td>Individual Thesis</td>
<td>Semester 1</td>
<td>Semester 2</td>
<td></td>
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<tr>
<td>ENGG7341</td>
<td>MEngSci &amp; MEngSci (Man)</td>
<td>Individual Thesis</td>
<td>Semester 2</td>
<td>Year-long</td>
<td>4</td>
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<tr>
<td>ENGG7342</td>
<td>MEngSci &amp; MEngSci (Man)</td>
<td>Individual Thesis</td>
<td>Semester 1</td>
<td>Year-long</td>
<td>4</td>
</tr>
<tr>
<td>ENGG7381</td>
<td>MEngSci, MEngSci (Man) &amp; Master of Engineering</td>
<td>Individual Thesis</td>
<td>Semester 2</td>
<td>Year-long</td>
<td>8</td>
</tr>
<tr>
<td>ENGG7382</td>
<td>MEngSci, MEngSci (Man) &amp; Master of Engineering</td>
<td>Individual Thesis</td>
<td>Semester 1</td>
<td>Year-long</td>
<td>8</td>
</tr>
</tbody>
</table>
Project enrolment request

- When you have confirmed your project topic and supervisor, please email this to the School of Mechanical and Mining Engineering at studentenquiries@mechmining.uq.edu.au and request permission to enrol.

- Make sure your project supervisor is included in the correspondence and you specify which project course code you wish to undertake.
Can’t find a supervisor?

You can seek help from the following Academic Advisors:

Materials Engineering       Dr Mingyuan Lu     (m.lu1@uq.edu.au)

Mechanical Engineering     Prof Martin Veidt  (m.veidt@uq.edu.au)

Mechatronic Engineering    Dr Tyson Phillips (t.phillips1@uq.edu.au)
You will need to complete the compulsory UQ Academic Integrity modules for all new students. Please complete both parts as early as possible.

Part A to be completed by 31 August 2021 and Part B to be completed by 30 October 2021.

Please complete the tutorial as soon as you start your studies and before you start your first assessment at UQ. Go to this page:  
https://edge.edx.org/courses/course-v1:UQx+AIM_Student+2019_S1/about
Library help

General library help

• *Services for students* (webpage) [https://web.library.uq.edu.au/library-services/services-students](https://web.library.uq.edu.au/library-services/services-students)

Contact *AskUs Service*

• In person: Visit a library service point
• Chat, email or phone
• [https://web.library.uq.edu.au/contact-us](https://web.library.uq.edu.au/contact-us)
Student Services

UQ Student Services provides a range of support for student wellbeing, disability services, international support, accommodation and learning services.

INTERNATIONAL SUPPORT
Find support for overcoming the unique challenges of studying in a foreign country.

ACCOMMODATION
Find accommodation and advice on renting in Brisbane.

LEARNING & WORKSHOPS
Strengthen your study skills and abilities.

uq.edu.au/student-services/
Student Services – Learning Support

Student Services offers a number of free resources to help students succeed academically. These include:

- **Learning Workshops**: Weekly workshops are conducted throughout the semester and include topics such as assignments, exams, research skills, speaking skills, studying, writing and personal development. More information on each workshop as well as a calendar can be found here: [http://www.uq.edu.au/student-services/learning/workshops](http://www.uq.edu.au/student-services/learning/workshops).

  You are recommended to attend the **Referencing Well and Avoiding Plagiarism** workshop to learn effective referencing techniques and strategies to prevent plagiarism.


Look after yourself during semester

Please take advantage of Student Services workshops such as Studying Effectively at University, Looking after your Brain, Growing your Assertiveness and Being your Own Best Mate.

If you feel overwhelmed, stressed or anxious please book a session with a counsellor via Counselling or a meeting with a Learning Advisor. The recommended learning advisor is David Rowland for engineering concepts, any other topic is covered by all learning advisors.

Health and wellbeing services, online support and Student Services workshops are available and are free to attend.

YOLO Positive psychology online module: Learn skills to deal with challenges and enhance your wellbeing through interactive online modules. YOLO is a web-based program based on the latest research in positive psychology, and consists of 4 short 30-40 minute modules to be completed over 4 weeks. You can use a computer, tablet or phone to access YOLO, so you can participate anywhere, anytime!

More information about these workshops is available on the YOLO program webpage.
English Learning Support

- The Institute of Continuing & TESOL Education (ICTE) offers free English classes for UQ students and also their partners. For more information, please visit the website: [https://icte.uq.edu.au/study/english-language-support-university-queensland-students-and-community](https://icte.uq.edu.au/study/english-language-support-university-queensland-students-and-community).

  The ICTE classes are free to attend and therefore it is worth considering the *Grammar Refresher for Academic Writing* or the *Introduction to Report Writing* regardless of your English level proficiency. In semester two please enrol in the *Introduction to effective oral presentations*. This will be a good introduction before your presentation at the Engineering Student Conference!

- Each workshop is scheduled either in weeks 2-4 or weeks 6-8. The full program of English for Academic Communication workshops and the registration link can be [found here](https://icte.uq.edu.au/study/uq-pathways-and-support/english-academic-communication/eac-st-lucia).
Student Advocacy and Support (SAS)

Free, independent, short term support service for all UQ students. SAS can provide you with assistance on matters relating to the following services:

- Education (appeals, grievance, re-marks, show cause applications, student misconduct)
- Migration
- UQU Tutoring
- Welfare and Wellbeing
- Job preparation
- Legal advice
- Proof Readers list (use this service for thesis proof-reading)

Student Representative: Carlos Cubas

I’m excited to be a member of the School T&L Committee, being responsible for implementing initiatives for PG coursework students to provide input and feedback. I’m in my final year studying a Master of Engineering (Mechanical Engineering). I’ve always had a passion for engineering because this is the field that is constantly changing the world, whether it’s creating clean energy to face the climate crisis or developing medical devices to help people.

Email: c.cubasalcantara@uqconnect.edu.au
Facebook: facebook.com/carlos.cubasalcantara
EAIT Mentoring for new students

Are you looking for a place to ask questions, meet other students and get involved? We are excited to welcome you to the EAIT International Student Mentoring program! In this program, you will find a group of student leaders ready to help you, as well as a wide range of online information sessions with helpful information about starting at UQ. To join, simply visit https://web.vygo.app/ or download the Vygo app and join using your UQ email address. Once you’ve joined, you can RSVP to the session (and many others) from the Vygo dashboard.

Contact Carlos at c.cubasalcantara@uqconnect.edu.au if you have any questions about this program.
SoMME Postgraduate Students Community Group
All graduating research students in the School present a final seminar to staff and students.

- Attending each session provides you with an overview of the research being undertaken by your peers and an understanding of the research happening around the School.

- The final seminars are held every third Friday of the month from 12:00 – 1:00pm, via Zoom.

- You will receive monthly seminar overviews from the School if you sign up to the emailing list via hdr.mechmining@enquire.uq.edu.au
We wish you a successful semester!

Dr Alex Klimenko
Prof Ross McAree
Ms Minami Yoshida
Carlos Cubas

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