APS100H1 F

Orientation to Engineering

Fall 2025 Syllabus

Course Meetings

Section	Day & Time	Delivery Mode & Location
LEC0101	Thursday, 11:00 AM - 12:00 PM	In Person: ES 1050
LEC0102	Friday, 1:00 PM - 2:00 PM	In Person: MS 2158
LEC0103	Friday, 12:00 PM - 1:00 PM	In Person: MS 2158

Refer to ACORN for the most up-to-date information about the location of the course meetings.

LECTURES

Weekly lectures are 50 minutes in length and begin at 10-minutes past the hour (e.g., for a class scheduled at 10:00 am, lecture will begin at 10:10 am). This is referred to as “UofT-time” and is allocated to enable students to relocate from class-to-class. Students are responsible for all material covered in, and associated with, lecture. Lecture recordings will be posted each week after the final Friday lecture section.

Lectures begin the week of September 2, 2025.

TUTORIALS

Weekly tutorials are 50 minutes in length. Tutorials are facilitated by upper-year undergraduate teaching assistant (TA) mentors who will help guide you through the course material and exercises and provide you with support throughout your first-year fall term experience. Students are expected to attend and actively participate in all scheduled tutorials throughout the term; attending any tutorial section other than indicated in your course schedule will result in a participation grade of zero for that week.

Tutorials begin the week of September 8, 2025 (the first full week of class).

Course Contacts

Course Website: https://q.utoronto.ca/courses/410820
Coordinator & Instructor: Professor Dawn Kilkenny
Tutorial Coordinators: Leslie Grife & Hannah Bild-Enkin
Course Discussion Board: Piazza discussion board (linked in the Quercus course site)
Additional Notes: For questions related to the course content or assignments, check the course syllabus, and Quercus. Post to Piazza if you still have questions.

Course Queries Email: aps100@engineering.utoronto.ca

Additional Notes: If you cannot find an answer to your question on Piazza, or it is more personal in nature, please email the instructional team using the course email. Please allow up to 3 business days (Mon – Fri) to receive a response. Ensure your email has a professional tone and includes your full name and student number for reference. You may not receive a response if the answer is already available to you (e.g., in the syllabus, course announcement, etc).

Course Overview

Designed to help students transition into first-year engineering studies, and to develop and apply a greater understanding of the post-secondary academic learning environment, the field of engineering, application of mathematics and sciences in an engineering context, and properly frame engineering (education) as a socio-technical, people-centred endeavor. Topics include techniques for effective learning, time management, problem solving, successful teamwork, effective communications, test and exam preparation, stress management and wellness, engineering ethics and professionalism, academic integrity and the Student Code of Conduct, applications of math and science in engineering undergraduate research, extra- and co-curricular involvement, and engineering disciplines and career opportunities.

Course Learning Outcomes

By the end of this course, students will have developed competency with:

i) Time management skills

ii) Understanding ethics in Engineering

iii) Professionalism within Engineering

iv) Resume building

Prerequisites: None **Corequisites**: None **Exclusions:** None
Recommended Preparation: None

Credit Value: 0.25

Measured Graduate Attributes [Introduced]:

- 12A. Life-Long Learning: Demonstrate the ability to independently summarize, analyze, synthesize and evaluate information from a wide variety of sources (learning independently).
- 2A. Problem Analysis: Demonstrate the ability to identify and characterize an engineering problem.
- 2B. Problem Analysis: Demonstrate the ability to formulate a solution plan (methodology) for an engineering problem.
- 10A. Ethics and Equity: Demonstrate the ability to recognize ethical and equity based dilemma.
- 10B. Ethics and Equity: Demonstrate the ability to apply the Code of Ethics and equity principle

Marking Scheme

Assessment	Percent	Details	Due Date
Tutorial Participation	20%	Student engagement in weekly tutorial will be assessed. There are 10 scheduled tutorial sessions but only the top 9 assessments will be included in the final Tutorial Participation grade (the lowest tutorial assessment will be dropped).	Weekly
Welcome Survey	2%	For completion by the required due date.	September 10, 2025
Syllabus Quiz	2%		September 10, 2025
Academic Integrity Modules	2%		September 10, 2025
Time Management Assignment (Part I)	10%		September 13, 2025
Time Management Assignment (Part II)	10%		September 27, 2025
Minerva Ethics Module	2%	For completion by the required due date.	October 1, 2025
Engineering Ethics Assignment	20%		October 18, 2025
Engineering Resume Assignment	10%		November 22, 2025
Course Exit Survey	2%	For completion by the required due date.	November 26, 2025
Final Test	20%	The Final Test is mandatory; this means you cannot pass this course if you do not write this test. The test is summative, and you will be responsible for all content shared in lecture and tutorial.	Tentatively scheduled for Dec. 2nd, 2025.

Final course grades will be based on the following system:

80% - 100% = High Pass (H)

60% - 79% = Pass (P)

0% - 59% = Fail (FL)

NOTE: Non-numeric course grades (like your grade for APS100) do not count towards your sessional average or grade point average (GPA). However, you are required to achieve at least a Pass (P) in this course in order to graduate. For more information about term grade requirements, please refer to the Promotion Regulations in the Academic Calendar.

Late Assessment Submissions Policy

All assignments are due no later than 9:00 PM ET on the indicated due date. Late submissions without a valid petition are subject to a 20% penalty per day.

Petitions

Sometimes, things don't go as planned. A petition is your formal request for an exception to a Faculty or University rule, regulation, or deadline. A student who is unavoidably absent during the term and consequently misses any graded work should submit a term-work petition through the Engineering Portal within 7 days of the deadline of the graded work. The petition must be accompanied by appropriate documentation.

You can find more information about petitions in Section XII: Petitions and Appeals in the Academic Regulations chapter of the Academic Calendar, and in the Faculty's 'Current Engineering Undergraduates' website.

Policies & Statements

University Land Acknowledgement

I wish to acknowledge this land on which the University of Toronto operates. For thousands of years, it has been the traditional land of the Huron-Wendat, the Seneca, and the Mississaugas of the Credit. Today, this meeting place is still the home to many Indigenous people from across Turtle Island and we are grateful to have the opportunity to work on this land.

Learn more about Canada's relationship with Indigenous Peoples here.

Indigenous Students' Supports

If you are an Indigenous engineering student, you are invited to join a private Discord channel to meet other Indigenous students, professors, and staff, chat about scholarships, awards, work opportunities, Indigenous-related events, and receive mentorship. Email Professor Bazylak if you are interested.

Indigenous students at U of T are also invited to visit Nations House's (FNH) Indigenous Student Services for culturally relevant programs and services. If you want more information on how to apply for Indigenous specific funding opportunities, cultural programs, traditional medicines, academic support, monthly social events or receive the weekly newsletter, go to the

FNH website, email or follow FNH on social media: Instagram, or TikTok. A full event calendar is on the CLNX platform. Check CLNX often to see what new events are added!

Wellness and Mental Health Support

Your personal wellness and mental health are important. The University of Toronto and the Faculty of Applied Science & Engineering offer a wide range of free and confidential services that can support your well-being.

As a U of T Engineering student, you have a Departmental Undergraduate Advisor or a Departmental Graduate Administrator who can support you by advising on personal matters that impact your academics. You can reach out to your Academic Advisor if you have questions about academic regulations, if you're concerned about how something in your life might impact your academics, or if you would like help connecting to other resources on campus. Other resources that you may find helpful are listed on the U of T Engineering Mental Health & Wellness webpage, and a small selection are also included here:

- U of T Engineering's Student & Community Wellness Coordinator
- Health & Wellness and the On-Location Engineering Wellness Counsellor
- Health & Wellness Peer Support Program
- Accessibility Services & the On-Location Advisor
- Graduate Engineering Council of Students' Mental Wellness Commission
- SKULE™ Mental Wellness
- U of T Engineering's Learning Strategist and Centre for Learning Strategy Support
- Registrar's Office and Scholarships & Financial Aid Office & Advisor

We encourage you to access these resources as soon as you feel you need support; no issue is too small. You may reach out to the counsellors at U of T Telus Health Student Support for 24/7 free and confidential counselling support.

If you find yourself feeling distressed and in need of more immediate support visit uoft.me/feelingdistressed or U of T Engineering's Urgent Support – Talk to Someone Right Now.

Accommodations

The University of Toronto supports accommodations for students with diverse learning needs, which may be associated with mental health conditions, learning disabilities, autism spectrum, ADHD, mobility impairments, functional/fine motor impairments, concussion or head injury, visual impairments, chronic health conditions, addictions, D/deaf, deafened or hard of hearing, communication disorders and/or temporary disabilities, such as fractures and severe sprains, or recovery from an operation.

If you have a learning need requiring an accommodation the University of Toronto recommends that students register with Accessibility Services as soon as possible.

We know that many students may be hesitant to reach out to Accessibility Services for accommodations. The process of accommodation is private; we will not share details of your

needs or condition with any instructor.

If you feel hesitant to register with us, we encourage you to reach out for further information and resources on how we can support. It may feel difficult to ask for help, but it can make all the difference during your time here.

Phone: 416-978-8060
Email: accessibility.services@utoronto.ca

Equity, Diversity and Inclusion

Looking for community? Feeling isolated? Not being understood or heard?

You are not alone. You can talk to anyone in the Faculty that you feel comfortable approaching, anytime – professors, instructors, teaching assistants, first-year or upper years academic advisors, student leaders or the Assistant Dean of Diversity, Inclusion and Professionalism.

You belong here. In this class, the participation and perspectives of everyone is invited and encouraged. The broad range of identities and the intersections of those identities are valued and create an inclusive team environment that will help you achieve academic success. You can read the evidence for this approach here.

You have rights. The University Code of Student Conduct and the Ontario Human Rights Code protect you against all forms of harassment or discrimination, including but not limited to acts of racism, sexism, Islamophobia, antisemitism, homophobia, transphobia, ableism, classism and ageism. Engineering denounces unprofessionalism or intolerance in language, actions or interactions, in person or online, on- or off-campus. Engineering takes these concerns extremely seriously and you can confidentially disclose directly to the Assistant Dean for help here.

Resource List:

- Engineering Equity, Diversity & Inclusion Groups, Initiatives & Student Resources
- Engineering Positive Space Resources
- Request a religious-based accommodation here
- Email Marisa Sterling, P.Eng, the Assistant Dean, Diversity, Inclusion & Professionalism here
- Make a confidential disclosure of harassment, discrimination or unprofessionalism here or email engineering@utoronto.ca or call 416.946.3986
- Email the Engineering Society Equity & Inclusivity Director here
- U of T Equity Offices & First Nations House Resources

Plagiarism Detection Tool

Normally, students will be required to submit their course essays to the University's plagiarism detection tool for a review of textual similarity and detection of possible plagiarism. In doing so, students will allow their essays to be included as source documents in the tool's reference

database, where they will be used solely for the purpose of detecting plagiarism. The terms that apply to the University's use of this tool are described on the Centre for Teaching Support & Innovation web site (https://uoft.me/pdt-faq).

Quercus Information

This course uses the University's learning management system, Quercus, to post information about the course. This includes posting readings and other materials required to complete class activities and course assignments, as well as sharing important announcements and updates. The site is dynamic and new information and resources will be posted regularly as we move through the term, so please make it a habit to log in to the site on a regular, even daily, basis. To access the course website, go to the U of T Quercus log-in page at https://q.utoronto.ca. Once you have logged in to Quercus using your UTORid and password, you should see the link or "card" for this course. You may need to scroll through other cards to find this. Click on this link to open our course area, view the latest announcements and access your course resources. There are Quercus help guides for students that you can access by clicking on the "?" icon in the left side column.

SPECIAL NOTE ABOUT GRADES POSTED ONLINE: Please also note that any grades posted are for your information only, so you can view and track your progress through the course. No grades are considered official, including any posted in Quercus at any point in the term, until they have been formally approved and posted on ACORN at the end of the course. Please contact aps100@engineering.utoronto.ca as soon as possible if you think there is an error in any grade posted on Quercus.

Use of Generative Artificial Intelligence Tools

In APS100, students may use artificial intelligence tools for creating an outline for an assignment, but the final submitted assignment must be original work produced only by the individual student. Students may also use artificial intelligence tools for critiquing and editing an assignment for purposes of revision, but the first draft must be original work produced by the individual student alone.

New ideas introduced by the AI during the critique or editing process must be appropriately cited as generated by the AI tool.

Students may not use artificial intelligence tools for taking tests, writing research papers, creating computer code, or completing major course assignments. However, these tools may be useful when gathering information from across sources and assimilating it for understanding.

Academic Integrity

All students, faculty and staff are expected to follow the University's guidelines and policies on academic integrity. For students, this means following the standards of academic honesty when writing assignments, collaborating with fellow students, and writing tests and exams. Ensure that the work you submit for grading represents your own honest efforts. Plagiarism—representing someone else's work as your own or submitting work that you have previously submitted for marks in another class or program—is a serious offence that can result in

sanctions. Please contact aps100@engineering.utoronto.ca for advice on anything that you find unclear. To learn more about how to cite and use source material appropriately and for other writing support, see the U of T writing support website. Consult the Code of Behaviour on Academic Matters for a complete outline of the University's policy and expectations. For more information, please see the U of T Academic Integrity website.