

COURSE OUTLINE		
TERM: Fall 2025	COURSE NO: APSC 120	
INSTRUCTOR:	COURSE TITLE: INTRODUCTION TO ENGINEERING	
OFFICE: LOCAL: E-MAIL: @capilanou.ca	SECTION NO(S):	CREDITS: 1.0
OFFICE HOURS:		
COURSE WEBSITE:		

Capilano University acknowledges with respect the Liłwat7úl (Lil'wat), xʷməθkʷəy̓əm (Musqueam), shíshálh (Sechelt), Sḵwəxwú7mesh (Squamish), and Səlílwətaʔ/Selilwitulh (Tsleil-Waututh) people on whose territories our campuses are located.

COURSE FORMAT

One lecture hour every week over a 15-week semester.

COURSE PREREQUISITES/CO-REQUISITES

None

CALENDAR DESCRIPTION

This course uses guest speakers, video-taped material and field trips to provide students with an orientation to a career as a professional engineer. Attendance at scheduled activities is the only course requirement. Final "grades" are reported as CR (Credit Granted) or NC (no Credit Granted)

COURSE NOTE

APSC 120 is an approved Science course.

For Engineering Transfer program and Engineering Transition program students only.

REQUIRED TEXTS AND/OR RESOURCES

None

COURSE STUDENT LEARNING OUTCOMES

General

The student will be introduced to the discipline and practice of engineering. Guest speakers, videotaped materials, and field trips (if time permits) will be used to orient the students to a career as a professional engineer, as well as the educational paths that lead to such a career.

Students will obtain information that will help them to decide on a discipline within the field of Engineering.

COURSE CONTENT

The guest speakers will discuss topics that may include, but not be limited to the following:

Engineering Topics	
Professional Engineering (EGBC)	Mechanical Engineering
Engineering at UBC – Vancouver	Engineering Physics
Engineering at UBC – Okanagan	Civil Engineering
Engineering at SFU	Geological Engineering
Engineering at UVic	Integrated Engineering
Wood Product Processing	Chemical Engineering

Note: The order and topic of presentations is dependent on the availability of guest speakers. Class schedules will be posted on the APSC 120 eLearn site and may be updated as late as the day before the scheduled class.

EVALUATION AND GRADING PROFILE

Final grades are reported as CR (Credit Granted) or NC (No Credit Granted). Attendance at scheduled activities is the only requirement to achieve credit for this course. Students who miss a lecture or a field trip without a valid excuse during the term will receive a NC grade. Students who are late for the assigned lectures on two or more occasions without a valid excuse during the term will also receive a NC grade.

Attendance

Students are expected to attend all classes and associated activities.

English Usage

Students are expected to proofread all written work for any grammatical, spelling and stylistic errors. Instructors may deduct marks for incorrect grammar and spelling in written assignments.

Electronic Devices

Students may use electronic devices during class for note taking only.

On-line Communication (email eLearn etc.)

Outside of the classroom, instructors will (if necessary) communicate with students using either their official Capilano University email or eLearn; please check both regularly. Official communication between Capilano University and students is delivered to students' Capilano University email addresses only.

UNIVERSITY OPERATIONAL DETAILS**Tools for Success**

Many services are available to support student success for Capilano University students. A central navigation point for all services can be found at: <https://www.capilanou.ca/student-services/>

Capilano University Security: download the [CapU Mobile Safety App](#)

Policy Statement (S2009-06)

Capilano University has policies on Academic Appeals (including appeal of final grade), Student Conduct, Academic Integrity, Academic Probation and other educational issues. These and other policies are available on the University website.

Academic Integrity (S2017-05)

Any instance of academic dishonesty or breach of the standards of academic integrity is serious and students will be held accountable for their actions, whether acting alone or in a group. See policy and procedures S2017-05 Academic Integrity for more information:

<https://www.capilanou.ca/about-capu/governance/policies/>

Violations of academic integrity, including dishonesty in assignments, examinations, or other academic performances, are prohibited and will be handled in accordance with the Student Academic Integrity Procedures.

Academic dishonesty is any act that breaches one or more of the principles of academic integrity. Acts of academic dishonesty may include but are not limited to the following types:

Cheating: Using or providing unauthorized aids, assistance or materials while preparing or completing assessments, or when completing practical work (in clinical, practicum, or lab settings), including but not limited to the following:

- Copying or attempting to copy the work of another during an assessment;
- Communicating work to another student during an examination;
- Using unauthorized aids, notes, or electronic devices or means during an examination;
- Unauthorized possession of an assessment or answer key; and/or,
- Submitting of a substantially similar assessment by two or more students, except in the case where such submission is specifically authorized by the instructor.

Fraud: Creation or use of falsified documents.

Misuse or misrepresentation of sources: Presenting source material in such a way as to distort its original purpose or implication(s); misattributing words, ideas, etc. to someone other than the original source; misrepresenting or manipulating research findings or data; and/or suppressing aspects of findings or data in order to present conclusions in a light other than the research, taken as a whole, would support.

Plagiarism: Presenting or submitting, as one's own work, the research, words, ideas, artistic imagery, arguments, calculations, illustrations, or diagrams of another person or persons without explicit or accurate citation or credit.

Self-Plagiarism: Submitting one's own work for credit in more than one course without the permission of the instructors, or re-submitting work, in whole or in part, for which credit has already been granted without permission of the instructors.

Prohibited Conduct: The following are examples of other conduct specifically prohibited:

- Taking unauthorized possession of the work of another student (for example, intercepting and removing such work from a photocopier or printer, or collecting the graded work of another student from a stack of papers);
- Falsifying one's own and/or other students' attendance in a course;
- Impersonating or allowing the impersonation of an individual;
- Modifying a graded assessment then submitting it for re-grading; or,
- Assisting or attempting to assist another person to commit any breach of academic integrity.

Sexual Violence and Misconduct

All Members of the University Community have the right to work, teach and study in an environment that is free from all forms of sexual violence and misconduct. Policy B401 defines sexual assault as follows:

Sexual assault is any form of sexual contact that occurs without ongoing and freely given consent, including the threat of sexual contact without consent. Sexual assault can be committed by a stranger, someone known to the survivor or an intimate partner.

Safety and security at the University are a priority and any form of sexual violence and misconduct will not be tolerated or condoned. The University expects all Students and Members of the University Community to abide by all laws and University policies, including B.401 Sexual Violence and Misconduct Policy and B.401.1 Sexual Violence and Misconduct Procedure (found on Policy page <https://www.capilanou.ca/about-capu/governance/policies/>)

Emergencies: Students are expected to familiarise themselves with the emergency policies where appropriate and the emergency procedures posted on the wall of the classroom.