

# Course Syllabus

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## Course Syllabus

The course consists of **video lectures**, **discussion group sessions**, and **assigned reading** on topics such as ethics, law, and other aspects of professional engineering practice and engineering business.

The course is divided into 13 one week modules. A week begins at **0:01 hours Monday morning** and ends at **23:59 hours the following Sunday**. Check all the times and dates posted for each quiz and assignment.

**\*A week is defined as: 12:01am Monday morning to 11:59pm the following SUNDAY Evening.**

### Video lectures:

The video lectures are given by faculty or guest lecturers from industry.

- There will be nine (**9**) **video lecture modules** (i.e., 18 videos).
- Students will view **two (2) videos per week** and then do an **online quiz** with true/false, multiple choice questions based on the content of the two videos and on any background reading provided on this website.
- Videos and any other material related to the video lectures will be available from the beginning of the week of a video lecture module until the end of the course. Once they are made available, the videos can be viewed at any time and as often as needed.
- The quiz associated with a video lecture module must be completed before the end of the week.

### Discussion Group:

There is **one** Discussion Group module.

The class will be divided into groups of about 10 students and members of the group will be ordered randomly. Each group will discuss an assigned topic. The discussion begins with the first member and then proceeds through the remaining members in order. Each member must use evidence or reasoning to state and explain their perspective. A grading rubric will be provided.

Marking of this assignment will be completed by the TAs, and it may take up to two weeks or more for the grades to be released.

Suggestions for discussion topics are welcome.

### Readings:

Please see modules to find the required readings for each week. There are questions from the readings on the quizzes and final exam. The readings will also help with the discussion group assignment.

There are also **two** Assigned Reading modules. The readings found in these two modules will be on the final exam.

### Topics:

#### **(1) Ethics and professional ethics:**

- Ethics & Bias
- Professional ethics. Typical ethical dilemmas
- What is a profession? Associations of Professionals such as EGBC
- Conflicts of interest. Why and how they occur.
- Whistleblowing

#### **(2) Law and Engineering:**

- Contract law
- Tort law
- Employment law
- Intellectual property law

#### **(3) Business Organization**

#### **(4) Innovation in engineering**

### Schedule:

The course is divided into thirteen (13) one week modules.

Week	Date	Topics
1	Sept 5-10	Introduction to the course Introduction to CARE
2	Sept 11-17	An Introduction to Ethics The PGA, EGNC, and Code of Ethics
3	Sept 18-24	Professional Engineering and EGBC Conflict of Interest
4	Sept 25 - Oct 1	Whistleblowing The Canadian Legal System
5	Oct 2-8	Contract Law Procurement and Tendering
6	Oct 9-15	Introduction to Tort Law Professional Negligence
7	Oct 16-22	Discussion Groups - 1
8	Oct 23 - Oct 29	Engineering and Ethical Failures Employment Law
9	Oct 30 - Nov 5	Business Organization Intellectual Property Law for Lawyers
10	Nov 6-12	Aboriginal Law Equity and Diversity in the Workplace
11	Nov 13-19	Assigned Reading
12	Nov 20-26	Innovation - Successes and Failures Innovation and Risk
13	Nov 27 - Dec 3	Assigned Reading
	Dec 11-22	Final Exam - TBA

**Grade Distribution:**

The grade distribution for the course is:

- **45% quizzes (9)**
- **15% Discussion Groups**
- **40% Final Exam (TBA)**

**Note: You must write the final exam to pass the course.**

**Quizzes:**

The quiz associated with a video lecture module must be completed before midnight (11:59pm) Sunday (PST). The quiz is available anytime during the week and, once started, must be completed in forty-five (45) minutes. Quiz log auditing is enabled which is designed to help the instructor investigate problems that a student may have in the quiz and gain insight into quiz questions.

Remember, allow yourself ample time to complete the quiz; therefore, do not leave to last minute as you may face obstacles (such as technical issues, etc.) that may delay you from starting the quiz. You will need all of the 45 minutes to complete a quiz.

\*A week is defined as: 12:01am Monday morning to 11:59pm the following SUNDAY Evening.

If you miss a quiz, there are no replacement quizzes.

**Quiz instructions:**

1. You have **45 minutes** to complete the quiz.
2. There are **10 multiple choice questions** worth one point each.
3. You have only **one attempt** to complete the quiz.
4. Once you open the quiz, you will have 45 minutes to write the quiz; therefore, **you cannot stop the quiz once you have opened it**.
5. The quizzes **open book**; therefore, you will need most likely the full 45 minutes to complete the quiz. So, be organized and prepared to write the quiz for the full 45 minutes.
6. Schedule your quiz time wisely and do not leave it to the last minute.
7. **Quiz log auditing** is enabled which is designed to help the instructor investigate problems that a student may have in the quiz and gain insight into quiz questions.

**What will be on the quiz?**

Look for the following section titled "**Before attempting this quiz**" to find out what videos, slides, readings, etc. will be covered in the quiz.

**Your quiz grades:**

Quiz grades will be released after the due date once all the students have written the quiz. However, a few things may have caused me to delay in the releasing of the grades:

1. Late registrants into the class (e.g., at the beginning of the term).
2. Have to wait until after the due date (online course - quizzes open for a week).
3. Other - e.g., student medical (approved by instructor) illness. They need extra time to write the quiz.

Once the grades and/or answers are released the quiz cannot be taken. If you have not completed the quiz, you will get a zero grade.

**The quiz answers:**

Your quiz answers will be available for only 3 hours after the grades are released on Wednesdays 6:00pm to 9:00pm. However, a few things may have caused me to delay in the releasing of the answers:

1. Late registrants into the class (e.g., at the beginning of the term).
2. Have to wait until after the due date (online course - quizzes open for a week).
3. Other - e.g., student medical (approved by instructor) illness. They need extra time to write the quiz.

Once the grades and/or answers are released the quiz cannot be taken. If you have not completed the quiz, you will get a zero grade.

The quizzes will reopen for review during the final exam study period.

**Use these five tips to help you ace the multiple choice questions on your tests and exams.**

1. Read the questions carefully. Make sure you understand what the question is asking.
2. **Answer the question without looking at the options.**
3. Eliminate the incorrect options.
4. Answer all the questions.
5. Manage your time.
  - You have 45 minutes for the quiz. That equates to 4.5 minutes per question. Lots of time if you know the readings and done the work to prepare.
    - A paper quiz in-class would only give you under 30 seconds per question. So, prepare in advance for our quizzes just like you would for a paper quiz.
      - Be organized.
      - Know the material.
      - While reading the material found under the modules. Ask yourself, "What could be a good multiple choice question"?
      - Remember, there are limitations on the type of questions we can ask in a multiple choice online quiz, so think about that when going through the readings.
  - Do not enter the quiz unprepared, or rely on 'searching' for the answer. These methods will lead you 'down the proverbial rabbit hole'.

**Final Exam:**

There will be an **online, open book** final exam on all the material in the course. Further details to be announced.

You must write the final exam to pass the course.

**Grading:**

A+ = 90-100%	B+ = 76-79%	C+ = 64-67%	D = 50-54%
A = 85-89%	B = 72-75%	C = 60-63%	F = 0-49%
A- = 80-84%	B- = 68-71%	C- = 55-59%	

See: <https://students.ubc.ca/enrolment/courses/grades> (<https://students.ubc.ca/enrolment/courses/grades>)

**Important Dates:**

- **Campus Closed:** September 4th (Labour Day), October 2nd (in lieu of the National Day for Truth and Reconciliation) October 9th (Thanksgiving) and November 11th (Remembrance Day).
- **Last Day to Withdrawal from Class:** September 18th - For further details on withdrawals see the following link:  
<https://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,194,795,1646> (<https://www.calendar.ubc.ca/vancouver/index.cfm?tree=12,194,795,1646>)
- **Mid-Term Break:** Nov 13th-15th.
- **Last Day of Classes:** Dec 7th.
- **Exam Week:** December 11th - December 22nd.

**Student Well-Being:** Success in APSC 450 depends heavily on staying on top of videos, readings and quizzes, as well as your personal health and wellbeing.

**Recognize** that stress is an expected part of the college experience and that it is often compounded by unexpected setbacks or life changes outside the **Reframe** challenges as being unavoidable in your journey to success.

**Reflect** on your role in taking care of yourself throughout the term, before the demands of exams and projects reach their peak.

**Reach out** to me, or to any of UBC's support services, about any difficulty you may have that you feel you cannot handle by yourself. Don't let it get to th

<https://students.ubc.ca/support> (<https://students.ubc.ca/support>)

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## Course Summary:

Date	Details	Due
Fri Sep 9, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749319&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 1.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749319&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749319&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Sep 16, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749300&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 2.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749300&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749300&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Sep 17, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749309&amp;include_contexts=course_122169">Reminder: Complete Week 2 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749309&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749309&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Sep 23, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749301&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 3.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749301&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749301&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Sep 24, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749310&amp;include_contexts=course_122169">Reminder: Complete Week 3 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749310&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749310&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Sep 30, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749302&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 4.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749302&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749302&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Oct 1, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749311&amp;include_contexts=course_122169">Reminder: Complete Week 4 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749311&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749311&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Oct 7, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749303&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 5.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749303&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749303&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Oct 8, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749312&amp;include_contexts=course_122169">Reminder: Complete Week 5 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749312&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749312&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Oct 14, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749304&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 6.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749304&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749304&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Oct 15, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749314&amp;include_contexts=course_122169">Reminder: Complete Week 6 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749314&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749314&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Oct 21, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749318&amp;include_contexts=course_122169">Reminder: Complete all readings for Week 6.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749318&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749318&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Oct 28, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749305&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 8.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749305&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749305&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Oct 29, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749315&amp;include_contexts=course_122169">Reminder: Complete Week 8 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749315&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749315&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Nov 4, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749316&amp;include_contexts=course_122169">Reminder: Complete all readings and watch all videos for Week 9.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749316&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749316&amp;include_contexts=course_122169</a> )	12am to 11:30pm

Date	Details	Due
Sat Nov 5, 2022	 <a href="#">Reminder: Complete the APSC 450 Mid-Term Course Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749324&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749324&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Tue Nov 8, 2022	 <a href="#">Reminder: Complete Week 9 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749313&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749313&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Wed Nov 9, 2022	 <a href="#">Reminder: Complete the APSC 450 Mid-Term Course Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749323&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749323&amp;include_contexts=course_122169</a> )	12am to 10:55pm
Thu Nov 10, 2022	 <a href="#">APSC 450 Mid-Term Course Survey Due</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749322&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749322&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Fri Nov 11, 2022	 <a href="#">Discussion Assignment CONTACT TA deadline (Nov 9th to 11th 9-5pm)</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749326&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749326&amp;include_contexts=course_122169</a> )	9am to 5pm
Fri Nov 18, 2022	 <a href="#">Reminder: Complete all readings for Week 10.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749320&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749320&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Nov 19, 2022	 <a href="#">Reminder: Complete Week 11 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749316&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749316&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Fri Nov 25, 2022	 <a href="#">Reminder: Complete all readings and watch all videos for Week 12.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749308&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749308&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sat Nov 26, 2022	 <a href="#">Reminder: Complete Week 12 Quiz.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749317&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749317&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Sun Nov 27, 2022	 <a href="#">Complete Dr. J's Content Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749328&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749328&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Mon Nov 28, 2022	 <a href="#">Complete Dr. J's Content Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749329&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749329&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Tue Nov 29, 2022	 <a href="#">Complete Dr. J's Content Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749330&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749330&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Wed Nov 30, 2022	 <a href="#">Complete Dr. J's Content Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749331&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?event_id=749331&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Thu Dec 1, 2022	 <a href="#">Complete Dr. J's Content Survey.</a> ( <a href="https://canvas.ubc.ca/calendar?">https://canvas.ubc.ca/calendar?</a> )	12am to 11:55pm

Date	Details	Due
Fri Dec 2, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749332&amp;include_contexts=course_122169">Complete Dr. J's Content Survey</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749332&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?</a> <a href="https://canvas.ubc.ca/calendar?event_id=749332&amp;include_contexts=course_122169">event_id=749332&amp;include_contexts=course_122169</a> )	12am to 11:55pm
Sat Dec 3, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749334&amp;include_contexts=course_122169">Reminder: Complete all readings for Week 13.</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749334&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?</a> <a href="https://canvas.ubc.ca/calendar?event_id=749334&amp;include_contexts=course_122169">event_id=749334&amp;include_contexts=course_122169</a> )	12am to 11:30pm
Wed Dec 21, 2022	<a href="https://canvas.ubc.ca/calendar?event_id=749299&amp;include_contexts=course_122169">Final Exam (Starts: 8:30am, Ends: 10:30am)</a> ( <a href="https://canvas.ubc.ca/calendar?event_id=749299&amp;include_contexts=course_122169">https://canvas.ubc.ca/calendar?</a> <a href="https://canvas.ubc.ca/calendar?event_id=749299&amp;include_contexts=course_122169">event_id=749299&amp;include_contexts=course_122169</a> )	8:30am to 10:30am
Tue Sep 5, 2023	<a href="#">Ethic Discussion Topic Ideas</a> (Sept/October/November)	to do: 11:59pm
Thu Sep 7, 2023	<a href="#">General Discussion - If you have questions on general course content</a>	to do: 12:01am
Mon Sep 11, 2023	<a href="#">Quiz Questions ONLY. Ask your questions here - Fellow students please help to answer questions and/or where to find the answers.</a>	to do: 8am
Sun Sep 17, 2023	<a href="#">Week 2 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595828">https://canvas.ubc.ca/courses/122169/assignments/1595828</a> )	due by 11:59pm
Sun Sep 24, 2023	<a href="#">Week 3 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595827">https://canvas.ubc.ca/courses/122169/assignments/1595827</a> )	due by 11:59pm
Sun Oct 1, 2023	<a href="#">Week 4 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595825">https://canvas.ubc.ca/courses/122169/assignments/1595825</a> )	due by 11:59pm
Sun Oct 8, 2023	<a href="#">Week 5 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595824">https://canvas.ubc.ca/courses/122169/assignments/1595824</a> )	due by 11:59pm
Sun Oct 15, 2023	<a href="#">Week 6 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595821">https://canvas.ubc.ca/courses/122169/assignments/1595821</a> )	due by 11:59pm
Sun Oct 22, 2023	<a href="#">Discussion Group (Assignment Released: (Oct 14th at 8:00am). (Due Dates: Oct 16-22))</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595829">https://canvas.ubc.ca/courses/122169/assignments/1595829</a> )	due by 11:59pm
Sun Oct 29, 2023	<a href="#">Week 8 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595822">https://canvas.ubc.ca/courses/122169/assignments/1595822</a> )	due by 11:59pm
Sun Nov 5, 2023	<a href="#">Week 9 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595823">https://canvas.ubc.ca/courses/122169/assignments/1595823</a> )	due by 11:59pm
Sun Nov 12, 2023	<a href="#">Week 10 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595820">https://canvas.ubc.ca/courses/122169/assignments/1595820</a> )	due by 11:59pm
Sun Nov 26, 2023	<a href="#">Week 12 Quiz</a> ( <a href="https://canvas.ubc.ca/courses/122169/assignments/1595819">https://canvas.ubc.ca/courses/122169/assignments/1595819</a> )	due by 11:59pm