



COURSE OUTLINE

1. **Course:** ENSC 503, Environmental Impact Assessment - Winter 2022

Lecture 01 : TR 15:30 - 16:45 in ES 920

Instructor	Email	Phone	Office	Hours
Dr William Holden	wnholden@ucalgary.ca	403 220-4886	ES 416	T & R 14:00 to 15:15 in ES416

To account for any necessary transition to remote learning in the winter 2022 semester, courses with in-person lectures, labs, or tutorials may be shifted to remote delivery for a certain period of time. In addition, adjustments may be made to the modality and format of assessments and deadlines, as well as to other course components and/or requirements, so that all coursework tasks are in line with the necessary and evolving health precautions for all involved (students and staff).

In Person Delivery Details:

This course will be held in person and all classes, and examinations, will be held on the University of Calgary Campus. Please note, this may be changed to online delivery should public health restrictions require it.

Re-Entry Protocol for Labs and Classrooms:

To limit the spread of COVID-19 on campus, the University of Calgary has implemented safety measures to ensure the campus is a safe and welcoming space for students, faculty and staff. The most current safety information for campus can be found [here](#).

Course Site:

D2L: ENSC 503 L01-(Winter 2022)-Environmental Impact Assessment

Note: Students must use their U of C account for all course correspondence.

Equity Diversity & Inclusion:

The University of Calgary is committed to creating an equitable, diverse and inclusive campus, and condemns harm and discrimination of any form. We value all persons regardless of their race, gender, ethnicity, age, LGBTQIA2S+ identity and expression, disability, religion, spirituality, and socioeconomic status. The Faculty of Science strives to extend these values in every aspect of our courses, research, and teachings to better promote academic excellence and foster belonging for all.

Course Outcomes:

- Properly screen and scope a project's environmental impact assessment.
- Consider the range of alternatives to a proposed project, including the no action alternative.
- Ascertain the potential cumulative effects of a proposed project when taken into conjunction with other past, present, and reasonably foreseeable future human activities in the vicinity of a proposed project.
- Critically assess the adequacy of the publics' participation in an environmental impact assessment of a proposed project.

2. **Requisites:**

See section [3.5.C](#) in the Faculty of Science section of the online Calendar.

Prerequisite(s):

Admission to the Environmental Science program.

See section 3.5.C in the Faculty of Science section of the online Calendar.

3. **Grading:**

The University policy on grading and related matters is described in [F.1](#) and [F.2](#) of the online University Calendar.

In determining the overall grade in the course the following weights will be used:

Course Component	Weight	Due Date (duration for exams)	Modality for exams	Location for exams
Environmental Impact Assessment Critique Presentation (Group Assignment) ¹	45%	Ongoing		
Midterm 1 (Individual)	45%	Mar 03 2022 at 03:30 pm (75 Minutes)	in-person	Classroom
Midterm 2 (Individual)	10%	Apr 07 2022 at 03:30 pm (75 Minutes)	in-person	In Class

¹ These will take place from 29 March 2022 to 5 April 2022 in the classroom.

Each piece of work (reports, assignments, quizzes, midterm exam(s) or final examination) submitted by the student will be assigned a grade. The student's grade for each component listed above will be combined with the indicated weights to produce an overall percentage for the course, which will be used to determine the course letter grade.

The conversion between a percentage grade and letter grade is as follows.

	A+	A	A-	B+	B	B-	C+	C	C-	D+	D
Minimum % Required	100 %	95 %	90 %	85%	80%	75 %	70 %	65%	60%	55 %	50 %

A grade of A+ is given for a mark of 100%. If, for some reason, the distribution of grades determined using the aforementioned conversion chart appears to be abnormal the instructor reserves the right to change the grade conversion chart if the instructor, *at the instructor's discretion*, feels it is necessary to more fairly represent student achievement. Note: these boundaries will only be changed if such a change causes an *increase* in student grades. Tests and class participation will be marked on a numerical (percentage) basis. A passing grade in any one component is not required for the student to pass the course as a whole.

For the group work, the students will be randomly assigned into groups by the instructor and students will not be allowed to select their own group members. The instructor will make every effort possible to ensure that all groups are equal in number but this is not guaranteed. At the end of the course students will conduct a peer review of their group members and rate the other members of their group between 0 and 1. The group work weighting factor determined by this peer evaluation will be used by the instructor to weight the all grades determined through group work. The instructor reserves the discretion to alter, or disregard, this group work weighting factor.

The University of Calgary offers a [flexible grade option](https://science.ucalgary.ca/current-students/undergraduate/program-advising/flexible-grading-option-cg-grade), Credit Granted (CG) to support student's breadth of learning and student wellness. Faculty units may have additional requirements or restrictions for the use of the CG grade at the faculty, degree or program level. To see the full list of Faculty of Science courses where CG is not eligible, please visit the following website: <https://science.ucalgary.ca/current-students/undergraduate/program-advising/flexible-grading-option-cg-grade>

4. Missed Components Of Term Work:

The university has suspended the requirement for students to provide evidence for absences. Please do not attend medical clinics for medical notes or Commissioners for Oaths for statutory declarations.

In the event that a student legitimately fails to submit any online assessment on time (e.g. due to illness etc...), please contact the course coordinator, or the course instructor if this course does not have a coordinator to arrange for a re-adjustment of a submission date. Absences not reported within 48 hours will not be accommodated. If an excused absence is approved, one possible arrangement is that the percentage weight of the legitimately missed assignment could also be pro-rated among the components of the course. This option is at the discretion of the coordinator and may not be a viable option based on the design of this course.

The regulations of the Faculty of Science pertaining to this matter are found in the Faculty of Science area of the Calendar in Section 3.6. It is the student's responsibility to familiarize themselves with these regulations. See also Section E.3 of the University Calendar.

5. Scheduled Out-of-Class Activities:

There are no scheduled out of class activities for this course.

6. **Course Materials:**

Recommended Textbook(s):

Noble, B.F., *Introduction to Environmental Assessment*: Oxford University Press..

Readings will be posted on D2L

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology:

- A computer with a supported operating system, as well as the latest security, and malware updates;
- A current and updated web browser;
- Webcam/Camera (built-in or external);
- Microphone and speaker (built-in or external), or headset with microphone;
- Current antivirus and/or firewall software enabled;
- Stable internet connection.

For more information please refer to the UofC [ELearning](#) online website.

7. **Examination Policy:**

There will not be a final examination in this course; however two midterm examinations will be held in class with the first mid-term (worth 45 percent) to be written on **Thursday 3 March 2022** and the second midterm (worth 10 percent) to be written in class on **Thursday 7 April 2022**. **THERE WILL BE NO MAKEUP OR DEFERRED EXAMINATIONS** under any circumstances, nor may the examinations be written early. Students unable to write the examination because of documented illness; family emergency or religious observance will have the weight shifted onto other components of the course. All examinations will be closed book examinations and non-programmable calculators are allowed. Should the writing of a midterm examination for an entire lecture section become impossible due to events beyond the control of the instructor (such as, and not exclusively consisting of; inclement weather, instructor's illness, unavailable facilities, or other "acts of fate") the midterm examination will be written in the next possible class. If the writing of the second midterm examination for the entire lecture section become impossible due to events beyond the control of the relevant instructor (such as, and not exclusively consisting of inclement weather, instructor's illness, unavailable facilities, or other "acts of fate") the second midterm examination will be reweighted on to the first midterm. Note: you will not be allowed to discuss your grade with the instructor for 48 hours after receiving your examination and, if you wish to discuss your grade with the instructor, you must do so within 15 days after receiving your examination.

Students should also read the Calendar, Section G, on Examinations.

Students should also read the Calendar, [Section G](#), on Examinations.

8. **Approved Mandatory And Optional Course Supplemental Fees:**

There are no mandatory or optional course supplemental fees for this course.

9. **Writing Across The Curriculum Statement:**

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) can be a factor in the evaluation of the work. See also Section [E.2](#) of the University Calendar.

For all components of the course, in any written work, the quality of the student's writing (language, spelling, grammar, presentation etc.) *can* be a factor in the evaluation of the work. See also Section E.2 of the University Calendar.

10. **Human Studies Statement:**

Students will not participate as subjects or researchers in human studies.

See also [Section E.5](#) of the University Calendar.

Students will not participate as subjects or researchers in human studies.

See also Section E.5 of the University Calendar.

11. **Reappraisal Of Grades:**

A student wishing a reappraisal, should first attempt to review the graded work with the Course

coordinator/instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See [Section I.3](#) of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the Course coordinator/instructor within **ten business days** of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall submit the Reappraisal of Graded Term work form to the department in which the course is offered within 2 business days of receiving the decision from the instructor. The Department will arrange for a reappraisal of the work within the next ten business days. The reappraisal will only be considered if the student provides a detailed rationale that outlines where and for what reason an error is suspected. See sections [I.1](#) and [I.2](#) of the University Calendar
- b. **Final Exam:**The student shall submit the request to Enrolment Services. See [Section I.3](#) of the University Calendar.

A student wishing a reappraisal, should first attempt to review the graded work with the instructor or department offering the course. Students with sufficient academic grounds may request a reappraisal. Non-academic grounds are not relevant for grade reappraisals. Students should be aware that the grade being reappraised may be raised, lowered or remain the same. See Section I.3 of the University Calendar.

- a. **Term Work:** The student should present their rationale as effectively and as fully as possible to the instructor within 10 days of either being notified about the mark, or of the item's return to the class. If the student is not satisfied with the outcome, the student shall immediately submit the Reappraisal of Graded Term work form to the department in which the course is offered. The department will arrange for a re-assessment of the work if, and only if, the student has sufficient academic grounds. See sections I.1 and I.2 of the University Calendar
- b. **Final Exam:**The student shall submit the request to Enrolment Services. See Section I.3 of the University Calendar.

Students will not be allowed to discuss your grade with the instructor for 48 hours after receiving your examination and, if you wish to discuss your grade with the instructor, you must do so within 10 days after receiving your examination.

12. Other Important Information For Students:

- a. **Mental Health** The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness and academic success, and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, [Mental Health Services Website](#)) and the Campus Mental Health Strategy website ([Mental Health](#)).
- b. **SU Wellness Services:** For more information, see www.ucalgary.ca/wellnesscentre or call [403-210-9355](tel:403-210-9355).
- c. **Sexual Violence:** The Sexual Violence Support Advocate, Carla Bertsch, can provide confidential support and information regarding sexual violence to all members of the university community. Carla can be reached by email (svsa@ucalgary.ca) or phone at [403-220-2208](tel:403-220-2208). The complete University of Calgary policy on sexual violence can be viewed at (<https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Sexual-and-Gender-Based-Violence-Policy.pdf>)
- d. **Misconduct:** Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. Research integrity, ethics, and principles of conduct are key to academic integrity. Members of our campus community are required to abide by our institutional [Code of Conduct](#) and promote academic integrity in upholding the University of Calgary's reputation of excellence. Some examples of academic misconduct include but are not limited to: posting course material to online platforms or file sharing without the course instructor's consent; submitting or presenting work as if it were the student's own work; submitting or presenting work in one course which has also been submitted in another course without the instructor's permission; borrowing experimental values from others without the instructor's approval; falsification/fabrication of experimental values in a report. Please read the following to inform yourself more on academic integrity:

[Student Handbook on Academic Integrity](#)
Student Academic Misconduct [Policy](#) and [Procedure](#)
[Research Integrity Policy](#)

Additional information is available on the [Student Success Centre Academic Integrity page](#)

e. Academic Accommodation Policy:

It is the student's responsibility to request academic accommodations according to the University policies and procedures listed below. The student accommodation policy can be found at: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Accommodation-for-Students-with-Disabilities-Procedure.pdf>.

Students needing an accommodation in relation to their coursework or to fulfil requirements for a graduate degree, based on a Protected Ground other than Disability, should communicate this need, by filling out the [Request for Academic Accommodation Form](#) and sending it to Dr. Daniel Shugar by email daniel.shugar@ucalgary.ca preferably 10 business days before the due date of an assessment or scheduled absence.

f. Freedom of Information and Privacy: This course is conducted in accordance with the Freedom of Information and Protection of Privacy Act (FOIP). Students should identify themselves on all written work by placing their name on the front page and their ID number on each subsequent page. For more information, see [Legal Services](#) website.

g. Student Union Information: [VP Academic](#), Phone: [403-220-3911](tel:403-220-3911) Email: suvpaca@ucalgary.ca. SU Faculty Rep., Phone: [403-220-3913](tel:403-220-3913) Email: sciencerep@su.ucalgary.ca. [Student Ombudsman](#), Email: ombuds@ucalgary.ca.

h. Surveys: At the University of Calgary, feedback through the Universal Student Ratings of Instruction ([USRI](#)) survey and the Faculty of Science Teaching Feedback form provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses. Your responses make a difference - please participate in these surveys.

i. Copyright of Course Materials: All course materials (including those posted on the course D2L site, a course website, or used in any teaching activity such as (but not limited to) examinations, quizzes, assignments, laboratory manuals, lecture slides or lecture materials and other course notes) are protected by law. These materials are for the sole use of students registered in this course and must not be redistributed. Sharing these materials with anyone else would be a breach of the terms and conditions governing student access to D2L, as well as a violation of the copyright in these materials, and may be pursued as a case of student academic or [non-academic misconduct](#), in addition to any other remedies available at law.

ENSC 503 Lecture Schedule: Winter 2022

Date	What is Happening
Tuesday January 11	Introduction and Lecture by Holden (Unit I)
Thursday January 13	Lecture by Holden (Unit I)
Tuesday January 18	Lecture by Holden (Unit II)
Thursday January 20	Lecture by Holden (Unit II)
Tuesday January 25	Lecture by Holden (Unit II)
Thursday January 27	Lecture by Holden (Unit III)
Tuesday February 1	Lecture by Holden (Unit III)
Thursday February 3	Lecture by Holden (Unit IV)
Tuesday February 8	Lecture by Holden (Unit IV)
Thursday February 10	Lecture by Holden (Unit IV)
Tuesday February 15	Lecture by Holden (Unit V)
Thursday February 17	Lecture by Holden (Unit V)
Tuesday February 22	Reading Week
Thursday February 24	Reading Week
Tuesday March 1	Lecture by Holden (Unit VI)
Thursday March 3	First Midterm Examination
Tuesday March 8	Guest Lecture on Historical Resources
Thursday March 10	Lecture by Holden (Unit VIII)
Tuesday March 15	Lecture by Holden (Unit VIII)
Thursday March 17	Lecture by Holden (Unit VIII)
Tuesday March 22	Lecture by Holden (Unit IX)
Thursday March 24	Lecture by Holden (Unit X)
Tuesday March 29	Student Presentations

Thursday March 31	Student Presentations
Tuesday April 5	Student Presentations
Thursday April 7	Second Midterm Examination
Tuesday April 12	Bermuda Shorts Day

Electronically Approved - Dec 14 2021 12:55

Department Approval

Electronically Approved - Jan 03 2022 10:13

Associate Dean's Approval