*We recognize and acknowledge that McMaster University meets and learns on the traditional territories of the Mississauga and Haudenosaunee nations, and within the lands protected by the “Dish With One Spoon” wampum, an agreement amongst all allied Nations to peaceably share and care for the resources around the Great Lakes.*

# COURSE CODE – Perspectives in Climate Change and Sustainability

# 202X XXXX Term

**Instructor:**  NA; the course will consist of guest lectures from multiple experts across academia

**Office:** NA | **Student Course Advisor:**  NA | **Email:** NA

**Class Hours:**  None; all lectures are provided asynchronously

**Office Hours:**  By appointment; please email.

## Course Description

All questions surrounding sustainability and sustainable development are interdisciplinary in nature. This course aims to bring together the perspectives from all academic areas to explore sustainability as a global concern by gathering insight from academic experts. Students will apply this knowledge to their thoughts and perceptions of what sustainability is and ultimately should be. Through a series of asynchronous lectures, students will have a unique opportunity to hear the perspectives of multiple questions of sustainability from academic experts across academia. In following the mantra of ‘Think globally, act locally’ students will have the opportunity to apply the knowledge acquired in the course towards assessing and proposing solutions to local questions of sustainability.

**Prerequisite(s):** None.

**Antirequisite(s):** None.

## Course and Learning Objectives

By the end of this course, students should be able to:

1. Identify and critically reflect on current global sustainability concerns, as discussed in the course.
2. Examine the perspectives of academic experts on questions of sustainability.
3. Apply course knowledge to propose solutions to local questions of sustainability.
4. Develop a proposed plan to a real-world, local sustainability issue by integrating strategies discussed in the course.
5. Reflect on different meanings of sustainability from diverse academic disciplines.

### Class Activities:

The course will consist of asynchronous teaching methods, and students are encouraged to complete the required content week by week. All asynchronous lectures and materials will be available to students on Avenue to Learn. More information about assignments will be available on Avenue to Learn.

## Materials & Fees

None. All materials will be provided on Avenue to Learn.

## Virtual Course Delivery

**To follow and participate in virtual classes it is expected that you have reliable access to the following:**

* A computer that meets performance requirements [found here](https://cto.mcmaster.ca/technology-resources-for-mcmaster-students/#tab-content-device-recommendations).
* An internet connection that is fast enough to stream video.
* Computer accessories that enable class participation, such as a microphone, speakers and webcam when needed.

If you think that you will not be able to meet these requirements, please contact [uts@mcmaster.ca](mailto:uts@mcmaster.ca) as soon as you can. Please visit the [Technology Resources for Students page](https://cto.mcmaster.ca/technology-resources-for-mcmaster-students/#tab-content-device-recommendations) for detailed requirements. If you use assistive technology or believe that our platforms might be a barrier to participating, please contact [Student Accessibility Services](https://sas.mcmaster.ca/), [sas@mcmaster.ca](mailto:sas@mcmaster.ca), for support.

## Course Overview and Assessment

### Topics

|  |  |  |
| --- | --- | --- |
| **Week** | **Topic** | **Required Readings** |
| 1 | Course Overview & Introduction  *Lecturer: Dr. Kate Whalen* | TBD |
| 2 | Peatlands and Fire  *Lecturer: Dr. Sophie Wilkinson* | TBD |
| 3 | Climate Research and Local Experiences  *Lecturer: Dr. Karine Gagné* | TBD |
| 4 | An Industry Perspective  *Lecturer: Heather Stuart* | TBD |
| 5 | Exploring Sustainability in Exploring Sustainability in Perú  *Lecturer: Dr. Rodrigo Narro Perez* | TBD |
| 6 | Sustainability Development in a Circular Economy  *Lecturer: Dr. Greg Zilberbrant* | TBD |
| 7 | Environmental History  *Lecturer: Dr. Michael Eagan* | TBD |
| 8 | Indigenous Knowledge and Climate Change  *Lecturer: Jeff Monague* | TBD |
| 9 | Climate Change, Data, and the Sustainability of Science  *Lecturer: Dr. Jason Brodeur* |  |
| 10 | Mental Health and Climate Change  *Lecturer: Gustavo S. Betini* | TBD |
| 11 | Climate Storytelling  *Lecturer: Dr. Catherine Bush* | TBD |
| 12 | Sustainable Engineering  *Lecturer: Dr. Zobia Jawed* | TBD |
| 13 | Geological Perspective of Climate Change  *Lecturer: Dr. Emmanuelle Arnaude* | TBD |

## Evaluation

|  |  |  |
| --- | --- | --- |
| Assessment | Weight | Due Date |
| 1. Participation | 25% | TBD |
| 1. Midterm | 20% | TBD |
| 1. Assignment 2: Mind Map | 20% | TBD |
| 1. Final Exam (Cumulative) | 35% | TBD |

## Participation - 25%

Students are expected to engage with the weekly asynchronous lectures, as well as complete the required readings. Participation is worth 25%, and students will be evaluated using the Discussion Board Forum on Avenue to Learn. Students will be required to respond to 5 prompts throughout the semester, each worth 5% (5 x 5% = 25%). There will be one question/prompt posted at the end of each week that students can respond to. Students are only required to make 5 posts in the discussion board, and therefore, do not need to participate in the discussion board for all 13 weeks. Each response should be approximately 300-400 words in length. Students are expected to discuss the weekly material within their responses as well as demonstrate metacognitive reflection, integrating real-world examples and experiences when applicable.

## Midterm – 20%

The midterm will take place in week 6 and consist of multiple choice, short answer, and long answer questions. The midterm will be accessed and submitted through Avenue to Learn.

## Assignment 2: Mind Map – 20%

Students will create a mind map, a visual representation of the interconnectedness of several concepts, to develop solutions to solving a local sustainability issue of their choice. Students will apply course knowledge by making connections and combining different disciplinary perspectives to a real-world scenario, which will be the central theme of their map. The mind map should encompass multiple weeks’ worth of content and display how concepts from different disciplines are interrelated and should be considered when solving complex sustainability issues. Further information on Assignment 2 will be found on the Learning Management System.

## Final Exam – 35%

The final exam is cumulative and will be scheduled at the end of the term. It will consist of multiple choice, short answer, and long answer questions. The exam will be accessed and submitted through Avenue to Learn.

## Requests for Relief for Missed Academic Term Work

[McMaster Student Absence Form (MSAF):](https://secretariat.mcmaster.ca/university-policies-procedures-guidelines/msaf-mcmaster-student-absence-form/) In the event of an absence for medical or other reasons, students should review and follow the Academic Regulation in the Undergraduate Calendar “Requests for Relief for Missed Academic Term Work”.

## Academic Accommodation of Students with Disabilities

Students with disabilities who require academic accommodation must contact [Student Accessibility Services (SAS](https://sas.mcmaster.ca/)) at 905-525-9140 ext. 28652 or [sas@mcmaster.ca](mailto:sas@mcmaster.ca) to make arrangements with a Program Coordinator. For further information, consult McMaster University’s [*Academic Accommodation of Students with Disabilities*](https://secretariat.mcmaster.ca/app/uploads/Academic-Accommodations-Policy.pdf) policy.

## Academic Accommodation for Religious, Indigenous Or Spiritual Observances (Riso)

Students requiring academic accommodation based on religious, indigenous or spiritual observances should follow the procedures set out in the [RISO](https://secretariat.mcmaster.ca/app/uploads/2019/02/Academic-Accommodation-for-Religious-Indigenous-and-Spiritual-Observances-Policy-on.pdf) policy. Students should submit their request to their Faculty Office ***normally within 10 working days*** of the beginning of term in which they anticipate a need for accommodation or to the Registrar's Office prior to their examinations. Students should also contact their instructors as soon as possible to make alternative arrangements for classes, assignments, and tests.

## Courses with An On-Line Element

***Some courses*** ***may*** use on-line elements (e.g. e-mail, Avenue to Learn (A2L), LearnLink, web pages, capa, Moodle, ThinkingCap, etc.). Students should be aware that, when they access the electronic components of a course using these elements, private information such as first and last names, user names for the McMaster e-mail accounts, and program affiliation may become apparent to all other students in the same course. The available information is dependent on the technology used. Continuation in a course that uses on-line elements will be deemed consent to this disclosure. If you have any questions or concerns about such disclosure, please discuss this with the course instructor.

## Online Proctoring

***Some courses may*** use online proctoring software for tests and exams. This software may require students to turn on their video camera, present identification, monitor and record their computer activities, and/or lock/restrict their browser or other applications/software during tests or exams. This software may be required to be installed before the test/exam begins.

## Academic Integrity

You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. Academic credentials you earn are rooted in principles of honesty and academic integrity.

**It is your responsibility to understand what constitutes academic dishonesty.**

Academic dishonesty is to knowingly act or fail to act in a way that results or could result in unearned academic credit or advantage. This behaviour can result in serious consequences, e.g. the grade of zero on an assignment, loss of credit with a notation on the transcript (notation reads: “Grade of F assigned for academic dishonesty”), and/or suspension or expulsion from the university. For information on the various types of academic dishonesty please refer to the [*Academic Integrity Policy*](https://secretariat.mcmaster.ca/app/uploads/Academic-Integrity-Policy-1-1.pdf)*,* located at [https://secretariat.mcmaster.ca/university-policies-procedures- guidelines/](https://secretariat.mcmaster.ca/university-policies-procedures-%20guidelines/)

**The following illustrates only three forms of academic dishonesty:**

* plagiarism, e.g. the submission of work that is not one’s own or for which other credit has been obtained.
* improper collaboration in group work.
* copying or using unauthorized aids in tests and examinations.

## Authenticity / Plagiarism Detection

***Some courses may*** use a web-based service (Turnitin.com) to reveal authenticity and ownership of student submitted work. For courses using such software, students will be expected to submit their work electronically either directly to Turnitin.com or via an online learning platform (e.g. A2L, etc.) using plagiarism detection (a service supported by Turnitin.com) so it can be checked for academic dishonesty.

Students who do not wish their work to be submitted through the plagiarism detection software must inform the Instructor before the assignment is due. No penalty will be assigned to a student who does not submit work to the plagiarism detection software. **All submitted work is subject to normal verification that standards of academic integrity have been upheld** (e.g., on-line search, other software, etc.). For more details about McMaster’s use of Turnitin.com please go to the [McMaster Office of Academic Integrity](https://www.mcmaster.ca/academicintegrity/)’s webpage.

## Conduct Expectations

As a McMaster student, you have the right to experience, and the responsibility to demonstrate, respectful and dignified interactions within all our living, learning and working communities. These expectations are described in the [*Code of Student Rights & Responsibilities* (the “Code”).](https://secretariat.mcmaster.ca/app/uploads/Code-of-Student-Rights-and-Responsibilities.pdf) All students share the responsibility of maintaining a positive environment for the academic and personal growth of all McMaster community members, **whether in person or online**.

It is essential that students be mindful of their interactions online, as the Code remains in effect in virtual learning environments. The Code applies to any interactions that adversely affect, disrupt, or interfere with reasonable participation in University activities. Student disruptions or behaviours that interfere with university functions on online platforms (e.g. use of Avenue 2 Learn, WebEx or Zoom for delivery), will be taken very seriously and will be investigated. Outcomes may include restriction or removal of the involved students’ access to these platforms.

## Copyright and Recording

Students are advised that lectures, demonstrations, performances, and any other course material provided by an instructor include copyright protected works. The Copyright Act and copyright law protect every original literary, dramatic, musical and artistic work, **including lectures** by University instructors.

The recording of lectures, tutorials, or other methods of instruction may occur during a course. Recording may be done by either the instructor for the purpose of authorized distribution, or by a student for the purpose of personal study. Students should be aware that their voice and/or image may be recorded by others during the class. Please speak with the instructor if this is a concern for you.

## Extreme Circumstances

The University reserves the right to change the dates and deadlines for any or all courses in extreme circumstances (e.g., severe weather, labour disruptions, etc.). Changes will be communicated through regular McMaster communication channels, such as McMaster Daily News, A2L and/or McMaster email.