Course Outline for ARTSSCI 1D06 / Calculus

Fall-Winter 2022-2023 (Term 3)

**Instructor:** Dr. Megumi Harada, HH/325, megumi.harada@math.mcmaster.ca

Office hours: Thursdays 11:30AM-12:20PM in HH/325   
 Fridays 1:30PM-2:30PM in HH/325

Course meeting times:

* Mondays, Wednesdays, Fridays 12:30—1:20PM, TSH/B105
* Thursdays: 12:30—1:20PM, BSB/137

**NOTE: Course material will be covered during the Monday, Wednesday, and Thursday meeting times, which will be treated as the Lecture hours for this course. The Friday meeting times will be treated as a Laboratory hour, with question-and-answer sessions, review of high school material, help with homework, etc. Attendance is mandatory for the Monday, Wednesday, and Thursday hours.**

Teaching assistants:

* Flynn (Theresa) O’Dacre, odacret@mcmaster.ca
* Hayley Monson, monsonh@mcmaster.ca
* Ekta Mishra, mishre1@mcmaster.ca
* Alex Harris, harria35@mcmaster.ca

TA Office hours: TBA

Tutorials:

There are 4 tutorials at each of the following times led by one of the TAs:

* Fridays 8:30—9:20AM Alex Harris
* Fridays 9:30—10:20AM Hayley Monson
* Fridays 10:30—11:20AM Ekta Mishra
* Fridays 11:30AM-12:20PM Flynn O’Dacre

Textbook:

Calculus: early transcendentals, 9th edition, by James Stewart, Nelson Education Ltd. You may use an older edition of the textbook, but you will be responsible for making the appropriate translation of section and problem numbers. *You must also purchase a license for WebAssign (Nelson’s on-line resources for the textbook)*, since there will be on-line homework assignments using WebAssign.

Course structure:

There are three lectures, one laboratory, and one tutorial per week. The lectures will coverthe required material for the course, and the laboratory hour will be used for supplementary / supporting material as appropriate, as well as for the midterms. For the Fall semester, the lab hours will focus primarily on high school review material and on proof techniques.

Course objectives:

There are two main objectives of the course. The first is to learn the techniques and applications of the differentialand integral calculus. The second is to develop writing and oral communication skills, especially for technical and/or mathematical ideas.

Assessment (for the 2022-2023 academic year):

WebAssign Homeworks: 10%. These will be assigned on a weekly basis. “WebAssign Drop’’ policy: your 2 lowest WebAssign scores will be dropped when computing this portion of your course mark, at the end of the year. Late assignments will not be accepted.

Long-Answer Homeworks: 25%. These will be assigned on a weekly basis. “Homework Drop’’ policy: your 2 lowest Long-Answer HW scores will be dropped when computing this portion of your course mark, at the end of the year. Late assignments will not be accepted.

Writing / Communication assignments: 5% total (2.5% each for a total of 2 assignments. Due December 8, 2022 (Fall Term) and April 12, 2023 (Winter Term)). You will be asked to complete an assignment pertaining to Scientific Communication skills in each term (both Fall Term and Winter Term). More details will be discussed in laboratory hours. Late assignments will not be accepted.

In-class tests: 5% each (20% total, with 2 tests per term). There will be two in-class tests each term, held during the laboratory hour. The in-class tests will be closed-book, closed-notes. In-class tests will be held according to the following schedule:

* Test #1: Friday October 7, 2022, 12:30-1:20PM, location T13/123
* Test #2: Friday November 18, 2022, 12:30-1:20PM, location T13/123
* Test #3: Friday February 10, 2022, 12:30-1:20PM, location TBA
* Test #4: Friday March 24, 2022, 12:30-1:20PM, location TBA

Fall Term Exam and Winter Term Exam: 40% total (20 % for the Fall Term Exam and 20% for the Winter Term Exam). The exams will be closed-book, closed-notes. To be held on dates scheduled by the Registrar's Office.

Schedule for Fall Term: (\*\*Tentative – subject to change\*\*)

Sept 7-9: Stewart Chapter 2 ;

Sept 12-16: Stewart Chapter 2 ;

Sept 19-23: Stewart Chapter 2 ;

Sept 26-30: Stewart Chapter 3 ; NO LECTURE (LABORATORY) on Friday Sept 30 in honor of National Truth and Reconciliation Day

Oct 3-7: Stewart Chapters 3 and 4; In-class Test #1 on Friday October 7

Oct 10-14: Midterm Recess

Oct 17-21: Stewart Chapter 4;

Oct 24-28: Stewart Chapters 4 and 5;

Oct 31-Nov 4: Stewart Chapter 5 ;

Nov 7-11: Stewart Chapter 5;

Nov 14-18: Stewart Chapter 6; In-class Test #2 on Friday November 18

Nov 21-25: Stewart Chapter 9;

Nov 28-Dec 2: Stewart Chapter 9;

Dec 5-8: Stewart Chapter 9; Scientific Communication assignment due Dec. 8

Schedule for Winter Term: (\*\*Tentative – subject to change\*\*)

Jan 9-13: Stewart Chapter 7;

Jan 16-20: Stewart Chapter 7;

Jan 23-27: Stewart Chapter 7;

Jan 30-Feb 3: Stewart Chapter 8;

Feb 6-10: Stewart Chapter 10; In-class Test #3 on Friday February 10

Feb 13-17: Stewart Chapter 10 and Chapter 11;

Feb 20-24: Midterm Recess

Feb 27-March 3: Stewart Chapter 11;

March 6-10: Stewart Chapter 11;

March 13-17: Stewart Chapter 14;

March 20-24: Stewart Chapter 14; In-class Test #4 on Friday March 24

March 27-31: Stewart Chapter 14;

April 3-7: Review, or, Additional Topics TBD; NO LECTURE (LABORATORY) on Friday April 7 due to Good Friday

April 10-12: Review, or, Additional Topics TBD; Scientific Communication Winter Assignment due April 12

SENATE-APPROVED ADVISORY STATEMENTS

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., online search, other software, etc.). For more details about McMaster’s use of Turnitin.com please go to [www.mcmaster.ca/academicintegrity](https://mcmasteru365-my.sharepoint.com/personal/rbishop_mcmaster_ca/Documents/www.mcmaster.ca/academicintegrity).

COURSES WITH AN ONLINE ELEMENT

**Some courses may** use online 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 online 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.

CONDUCT EXPECTATIONS

As a McMaster student, you have the right to experience, and the responsibility to demonstrate, respectful and dignified interactions within all of our living, learning and working communities. These expectations are described in the [*Code of Student Rights & Responsibilities*](https://secretariat.mcmaster.ca/app/uploads/Code-of-Student-Rights-and-Responsibilities.pdf) (the “Code”). 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.

ACADEMIC ACCOMMODATION OF STUDENTS WITH DISABILITIES

Students with disabilities who require academic accommodation must contact [Student Accessibility Services](mailto:Student%20Accessibility%20Services) (SAS) 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.

REQUESTS FOR RELIEF FOR MISSED ACADEMIC TERM WORK

In the event of an absence for medical or other reasons, students should review and follow the [*Policy on Requests for Relief for Missed Academic Term Work*](https://secretariat.mcmaster.ca/app/uploads/Requests-for-Relief-for-Missed-Academic-Term-Work-Policy-on.pdf).

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.

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 either by 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.

NOTES FOR ALL ARTS & SCIENCE COURSES

1. Some of the statements above refer to a “Faculty Office”; please note that the Arts & Science Program Office serves in this capacity.
2. It is the responsibility of students to check their McMaster email regularly. Announcements will be made in class, via A2L, and/or via the course email distribution list.
3. For additional information regarding requests for accommodation, relief for missed term work (e.g. MSAF), deferred examinations, etc., students should read carefully the [Requests](https://artsci.mcmaster.ca/forms-requests/) and [Resources](https://artsci.mcmaster.ca/current-students/resources/) pages on the Arts & Science Program website.