

Course Outline for ARTSSCI 1D06 Calculus

2018-2019

Instructor Dr. Megumi Harada HH325, megumi.harada@math.mcmaster.ca

Office hours : Tu 10:30-11:30/ Th 11:30-12:30

Course meeting times M 12:30—1:20, Tu 1:30-2:20; Th 12:30-1:20 in HSC 1A4; Tu 12:30-1:20 (laboratory)

Teaching assistants

Jessie Cartoon cartoonj@mcmaster.ca

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TA Office hours: Wednesdays 2:30—3:30PM, LRW/3038, Seminar Room

Textbook Calculus: early transcendentals, 8th 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

Course structure There are three lectures, one laboratory, and one tutorial per week. The lectures will cover the 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 first half of the first semester, the lab hours will probably focus primarily on review material.

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

Assessment (for the entire year)

Homeworks 20%. These will be assigned on a weekly basis. Late assignments will not be accepted.

Quizzes 10%. Quizzes will be held roughly every other week during the laboratory hour. “Quiz Drop” policy: your lowest quiz score will be dropped when computing your course mark at the end of the year.

Writing / Communication assignments 10% total (5% each for a total of 2 assignments). 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 20% total (5% each, 2 tests per term). There will be two in-class midterms each term, held during the laboratory hour.

Final 40% total (20% each, one for the Fall Term and one for the Winter Term). On dates to be scheduled by the registrar's office. There will be a final exam in each term.

MSAF In the event of an absence, students should review and follow the Academic Regulations in the Undergraduate Calendar “Requests for Relief for Missed Academic Term Work.” Please consult the MSAF statement on our website (<https://artsci.mcmaster.ca/forms-requests/>) and direct any questions or concerns to Shelley Anderson or Rebecca Bishop in the Arts & Science Program Office.

Academic Accommodation of Students with Disabilities Students who require academic accommodation must contact [Student Accessibility Services \(SAS\)](#) to make arrangements with a Program Coordinator. SAS can be contacted by phone 905-525-9140 ext. 28652 or email sas@mcmaster.ca. For further information, consult McMaster University’s [Academic Accommodation of Students with Disabilities](#) 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 policy. Students requiring a RISO accommodation should submit their request to their Faculty Office (i.e. to Shelley Anderson or Rebecca Bishop in the Arts & Science Program 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.

Schedule for Fall Term:

Sept 4-8 : Stewart Chapter 2

Sept 10-14: Stewart Chapter 2 ; Written Homework 1 due Monday Sept 10 , Written Homework 2 due Friday Sept 14 , (Optional) On-line Assignment #0 available

Sept 17-21: Stewart Chapter 2 ; On-line Assignment #1 due Friday Sept 21; Quiz 1 on Friday Sept 21

Sept 24-28: Stewart Chapter 3; On-line Assignment #2 due Friday Sept 28; Written Homework #3 due Friday Sept 28

Oct 1-5: Stewart Chapters 3 and 4; On-line Assignment #3 due Friday October 5; In-class test on Tu. Oct 2

Oct 8-12: Midterm Recess

Oct 15-19: Stewart Chapter 4; On-line Assignment #4 due Friday October 19; Written Homework #4 due Friday Oct 19

Oct 22-26: Stewart Chapters 4 and 5; On-line Assignment #5 due Friday October 26; Quiz 2 on Friday October 26

Oct 29-Nov 2: Stewart Chapter 5 ; On-line Assignment #6 due Friday Nov. 2; Written Homework #5 due Friday Nov. 2

Nov 5-9: Stewart Chapter 5; On-line Assignment #7 due Friday Nov. 9; Quiz #3 on Friday Nov. 9

Nov 12-16: Stewart Chapter 6 ; On-line Assignment #8 due Friday Nov. 16; Written Homework #6 due Friday Nov. 16

Nov 19-23:: Stewart Chapter 9 ; On-line Assignment #9 due Friday Nov. 23; In-class test on Tuesday Nov. 20

Nov 26-30: Stewart Chapter 9 ; On-line Assignment #10 due Friday Nov. 30; Written Homework #7 due Friday Nov. 30

Dec 3-5: Stewart Chapter 9 ; Scientific Communication assignment due last day of lecture (of Fall term)

Schedule for Winter Term:

Jan 7-11: Stewart Chapter 7; On-line Assignment #11 due Friday Jan 11; Quiz #4 on Friday Jan. 11

Jan 14-18: Stewart Chapter 7; On-line Assignment #12 due Friday Jan 18 ; Written Homework #8 due Friday Jan. 18

Jan 21-25: Stewart Chapter 7; On-line Assignment #13 due Friday Jan 25 ; Quiz #5 on Friday Jan 25

Jan 28-Feb 1: Stewart Chapter 8; On-line Assignment #14 due Friday Feb 1; Written Homework #9 due Friday Feb 1

Feb 4-8: Stewart Chapter 10; On-line Assignment #15 due Friday Feb 8 ; Quiz #6 on Friday Feb. 8

Feb 11-15: Stewart Chapter 10 and Chapter 11; On-line Assignment #16 due Friday Feb 15; In-class test on Tues Feb 12

Feb 18-22: Midterm Recess

Feb 25-Mar 1: Stewart Chapter 11; On-line Assignment #16 due Friday March 1; Written Homework #10 due Friday March 1

March 4-8: Stewart Chapter 11; On-line Assignment #17 due Friday March 8; Quiz #7 on Friday March 8

March 11-15: Stewart Chapter 14; On-line Assignment #18 due Friday March 15; Written Homework #11 due Friday March 15

March 18-22: Stewart Chapter 14; On-line Assignment #19 due Friday March 22; Quiz #8 on Friday March 22

March 25-29: Stewart Chapter 14; On-line Assignment #20 due Friday March 29; In-class test on Tues March 26

April 1-5: Review, or, Additional Topics TBD ; On-line Assignment #21 due Friday April 5; Written Homework #12 due Friday April 5

April 8-9: Review , or, Additional Topics TBD ; Scientific Communication Winter Assignment due last day of lecture (Tuesday April 9)

McMaster Policy on Academic Integrity You are expected to exhibit honesty and use ethical behaviour in all aspects of the learning process. The academic credentials that you earn are rooted in principles of honesty and academic integrity. 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. It is your responsibility to understand what constitutes academic dishonesty. For information on the various types of academic dishonesty, please refer to the [Academic Integrity Policy](http://www.mcmaster.ca/academicintegrity), located at: <http://www.mcmaster.ca/academicintegrity>. The following illustrates only three forms of academic dishonesty: 1) plagiarism, i.e. the submission of work that is not one’s own or for which other credit has been obtained; 2) improper collaboration in group work; 3) copying or using unauthorized aids in tests and examinations.

Please Note The instructor and university reserve the right to modify elements of the course during the term. The university may 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. It is the responsibility of students to check **their McMaster email** and course websites regularly during the term and to note any changes. Announcements will be made in class and by using the course email distribution list.