Course Outline for ARTSSCI 1D06 Calculus
Full year 2015–2016 (term 3)

Course Home Page The course home page is *not* on Avenue to Learn. It can be found at AS1D06 course homepage Please do not send email from your Avenue account, as I cannot reply to it.

Instructor Dr Deirdre Haskell HH316, ext 27244, haskell@math.mcmaster.ca

Office hours: T Th 9:30–11:00 or by appointment
Course meeting times: T 8:30–9:20, W 13:30–14:20, Th 8:30–9:20, F 8:30–9:20 in HH 104
Teaching assistants: Maddie Baker bakermj4@mcmaster.ca W 16:30–17:20
    Matthew Jordan jordanml@mcmaster.ca F 11:30–12:20
    Max Lazar-Kurz lazarkm@mcmaster.ca Th 16:30–17:20

Textbook *Calculus: early transcendentals*, 8th edition, by James Stewart, Nelson Education Ltd.
The textbook package from the bookstore includes the book, two student solutions manuals, access to WebAssign and access to ResponseWare. WebAssign is required for the homework assignments and ResponseWare is required for in-class participation, so if you do not buy the textbook package, then you will have to buy these separately. For this reason, I think that the package is a reasonably good deal. The edition of the textbook is new this year; you may use an older edition, but I will not be providing alternate problem numbers.

Course structure There are four lectures and one tutorial per week. You should plan to attend all of these. Three of the lectures will cover the required material for the course. The class scheduled on Friday at 8:30 will cover additional material. For the first half of the first semester, this will be review material. Then we will move on to discussing technical writing in preparation for the essay that you will write next semester. In second semester, this extra hour will be used for a wider introduction to what mathematics is beyond calculus.

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 appreciate the development of the calculus as one of the most significant intellectual achievements of humankind in the last four hundred years.

Assessment for term 1

Homework: 10% The homework will be on the online system called WebAssign that comes with your textbook. There will be one homework per week, due on Mondays at midnight, except in the week of the midterm exam. For the detailed schedule, see the course website. The homework mark will be based on the best 10 of 11 homework assignments. Late assignments will not be accepted.

Class participation: 5% Class participation will be measured using the ResponseWare system. Registration information comes with your textbook package. Full marks for participation will be given for achieving half of the correct answers to the questions posed during class.

Quizzes: 10% Quizzes will be held every other week during tutorial. Dates and quiz topic will be posted on the course website. The quiz mark will be based on the best five of six quizzes.

Midterm: 30% **Tentatively** the week of October 26, in the evening.

Final: 45% On a date scheduled by the registrar's office.

Assessment for full year The first semester will count for 45% or 55% of the mark for the full year, whichever is better. For the second semester, the marks will be distributed as follows.

> **Homework:** 10% As for Term 1. Again, the homework mark will be based on the best 10 of 11 homework assignments. Late assignments will not be accepted.
>
> **Class participation:** 5% As for Term 1.
>
> **Quizzes:** 10% As for Term 1. Again, the quiz mark will be based on the best five of six quizzes.
>
> **Essay:** 10% You will write an essay explaining a topic on mathematics to an intelligent, but uninformed audience. More details about the essay will be discussed during the first semester. You should plan to choose a topic by the end of the first semester, to discuss your topic with me and your TA early in the second semester. The due date for the essay is **tentatively** Friday 4 March 2016. Late assignments will not be accepted. However, accommodations can be made in exceptional circumstances; please discuss any difficulties with the instructor.
>
> **Midterm:** 25% **Tentatively** the week of February 22, in the evening.
>
> **Final:** 40% On a date scheduled by the registrar's office.

MSAF 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. Please also see the MSAF statement on our website MSAF information and direct any questions or concerns to Shelley Anderson or Rebecca Bishop in the Arts & Science Program Office as appropriate. For each category of work, the item missed with an MSAF will be the allowed missed item from that category. So if you miss a homework assignment, the missed assignment will be the one of the 11 assignments which is dropped. If you miss the midterm, you should talk to me about how it will be made up.

Academic Accommodation of Students with Disabilities Students who require academic accommodation must contact Student Accessibility Services (SAS) to make arrangements with a Program Coordinator. Academic accommodations must be arranged for each term of study. Student Accessibility Services can be contacted by phone 905-525-9140 ext. 28652 or email sas@mcmaster.ca. For further information, consult McMaster University's Policy for Academic Accommodation of Students with Disabilities.

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, located at: Academic Integrity Policy. The following illustrates only three forms of academic dishonesty: 1) plagiarism, e.g., the submission of work that is not ones 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. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on

changes. It is the responsibility of students to check **their McMaster email** and course websites weekly during the term and to note any changes. Announcements will be made in class and by using the course email distribution list.