COURSE INFORMATION
MATH 1XX3 (Calculus for Math and Stats II) – Winter 2017

I. Course Objectives. MATH 1XX3 is the second course on calculus for mathematics and statistics majors. The main objectives of this course are:

- to learn about techniques and applications of integration, differential equations, polar coordinates, power series, and partial derivatives.
- to emphasize the underlying ideas and theoretical mathematical framework in order prepare students for more advanced courses in mathematics and statistics.

The prerequisites for this course are Math 1X03 and registration in Math and Stats I.

Topics. Our goal in this course is to cover most of the material of Chapters 7.4, 9, 10, 11, and 14 in the textbook. I expect to spend roughly three weeks per chapter.

II. Administrative Details.

Time	Monday 3:30-4:20, Tuesday 4:30-5:20, Thursday 3:30-4:20
Place	Class: JHE 264
Instructor	Adam Van Tuyl
	Office: Hamilton Hall 419
	Phone: x27016
	Office Hours: TBD
	Email: `vantuyl@math.mcmaster.ca`
Class Materials	*Calculus: Early transcendentals, 8th edition*, by James Stewart, Thomson Brooks/Cole.
	WebAssign. Students are required to have a WebAssign account in order to complete on-line assignments. An access code for WebAssign is provided with the bundled purchase of a new textbook at Titles. If you purchased a used textbook (or an unbundled new book elsewhere) you must purchase a WebAssign subscription at `http://www.webassign.net`. When purchasing WebAssign, choose the **Lifetime Edition** at no extra cost. In addition, you will require the following code for our course:

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Web Page	`http://ms.mcmaster.ca/~vantuyl/courses/2017_winter_math1XX3.html`

The best way to contact me is via email. The class webpage is also a good source of information. I update the webpage after every class.

III. Course Assessment and Support. The course assessment will be similar to Math 1X03. In particular, the final grade is composed of three components:

- Maximum among {WebAssign average, Midterm grades, Final Exam grade} = 10%
- Two midterm tests $2 \times 24\% = 48\%$
- Final Examination 42%

Alternative marking schemes may also be used, in which case your final grade will be given by the maximum mark obtained among all schemes considered.

Assignments and Practice Problems. There will be *nine* weekly homework assignments, announced in class and on the website. They will be given out on Friday and due the following Friday at 11:59PM. Additional practice problems will be also be given, either via WebAssign or on the course webpage. The practice problems will not count towards your homework grade, but you will be responsible for their

content on the tests and final exam. Homework and practice problems are drawn from the exercises in Stewart's text, but should be completed using WebAssign.

Midterm Tests. There are two midterm tests, tentatively scheduled for the normal class time on

February 13, 2017 and March 16, 2017

The rooms will be announced closer to the midterms. The topics covered will be announced in class. You *MUST* bring your student ID to all tests, or your mark will be zero.

Final Exam. A final examination administered by the registrar will cover all course material. The exam will be 2.5 hours. The date, time, and location will be announced by the registrar's office sometime later in the term.

Tutorials. The tutorials are intended to provide additional examples to supplement the course material, and to provide additional opportunities for students to ask additional questions and seek help. Although attendance in tutorials is not mandatory, it is strongly encouraged. There are three tutorial sections:

        T01: Tu 3:30PM - 4:20PM in ABB 271
        T02: Tu 8:30AM - 9:20AM in HH 104
        T03: Tu 12:30PM - 1:20PM in HH 104

Drop-In Centre. More personalized assistance can be obtained by coming to the Math Drop-In Centre on the first floor of Hamilton Hall. Tutors are freely available to assist with Calculus questions. More detailed times and information is available on their web site:

   http://www.math.mcmaster.ca/∼mcleac3/Site/HelpCentre.html

IV. Class Policies.

Attendance. Though attendance is not mandatory, I would appreciate the fact that you show up on time if you do decide to come to class. I highly recommend that you do come to class. Some of the topics can be quite complicated.

Calculators. Only the McMaster Standard Calculator, the Casio fx 991 calculator is permitted during midterm tests and the final exam. (For homework or studying, use whatever you would like).

V. Important Dates.

        Jan. 4, 2017 - Second semester begins
        Feb. 13, 2017 - Midterm 1
        Feb 20-26, 2017 - Midterm Break (No classes)
        Mar. 10, 2017 - Last day for cancelling courses without failure by default
        Mar. 16, 2017 - Midterm 2
        April 6, 2017 - Second semester ends
        April 14, 2017 - Good Friday (No classes/exams)
        April 11-27, 2017 - Final Exams

OFFICIAL McMASTER POLICIES

1. Policy on Academic Ethics. 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.

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:

  http://www.mcmaster.ca/academicintegrity/

The following illustrates only three forms of academic dishonesty: (1) plagiarism, e.g. the submission of work that is not one's own or for which other credit has been obtained. (2) improper collaboration in group work, and (3) copying or using unauthorized aids in tests and examinations.

2. Policy regarding missed work. If you have missed work, it is your responsibility to take action.

If you are absent from the university for medical and non-medical (personal) situations lasting fewer than 3 days, you may report your absence, once per term, without documentation, using the McMaster Student Absence Form (MSAF). Please see

http://academiccalendars.romcmaster.ca/content.php?catoid=13&navoid=2208
#Requests_for_Relief_for_Missed_Academic_Term_Work

Absences for a longer duration or for other reasons must be reported to your Faculty/Program office, with documentation, and relief from term work may not necessarily be granted. **In Math 1XX3, the percentages of the missed work will be transferred to the final examination.** Please note that the MSAF may not be used for term work worth 25% or more, nor can it be used for the final examination.

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 note these regulations have changed beginning Fall 2015.

3. Student Accessibility Services. 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 e-mail sas@mcmaster.ca. For further information, consult McMaster Universitys Policy for Academic Accommodation of Students with Disabilities.

4. Important Message. 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 the student to check their McMaster email and course websites weekly during the term and to note any changes.