Math 116-004 – Fall 2012
last updated: September 9, 2012

Instructor: Ashley Wheeler

Email: wheeles@umich.edu

Office: 4848 East Hall

Website: www-personal.umich.edu/∼wheeles

Office Hours: Tue 11a-12p, Thu 1-2p (Math Lab), Fri 11a-12p, or by appointment

Text: *Calculus* by Hughes-Hallet, Gleason, et al., 5th Edition, published by John Wiley and Sons

Bring the book to class everyday. READ THE BOOK! Class time supplements the book and vice versa.

Calculator: TI-84 or equivalent. If you have another model, you are responsible for knowing how to use it. Bring your calculator to class each day and to the Uniform Exams. No devices with QWERTY keyboard are allowed at the exams.

Course Website: *http://www.math.lsa.umich.edu/courses/116/*

Everything is here. You can find information about grading and course policies (Student Guide) as well as the webwork, practice problems, assignments, and exam information.

Course Content: This semester we will cover sections 5.1-5.4, 6.1, 6.2, 6.4, 7.1, 7.2, 7.5, 7.7, 7.8, 4.8, 8.1-8.5, 8.7, 8.8, 9.1-9.5, 10.1-10.3, and 11.1-11.6 from the textbook. Sections 6.3, 6.5, 7.3, 7.4, 7.6, 10.4, 10.5, and 11.7-11.11 are not covered.

Homework: Daily webwork will be assigned from each section we cover. In order to do well in class, you must keep up with the daily assignments. In addition, you will be given regular team homework assignments, and a large portion of your in-class grade will be based on these group assignments. **Team Homeworks are due Fridays at the beginning of class.**

Quizzes: There will be short weekly quizzes. Quizzes are on Tuesdays, and are designed to check you are up to speed on reading. No make-up quizzes will be given, but I will drop your lowest quiz score at the end of the term.

Uniform Exams:

Exam 1	Wed 10 Oct, 6-7:30p	5.1-5.4, 6.1, 6.2, 6.4, 7.1, 7.2, 7.5, 8.1, 8.2, 8.4, 8.5
Exam 2	Wed 14 Nov, 6-7:30p	11.1-11.6, 4.8, 8.3, 7.7, 7.8, 8.7, 8.8
Final	Fri 14 Dec, 8-10a	9.1-9.5, 10.1-10.3, all Exam 1 and Exam 2 material

Dates for the exams are fixed. Only students with a regularly scheduled class are accommodated at an alternate time. If you have a regularly scheduled class during any of these times please let your instructor know as soon as possible. **Travel is *not* a sufficient excuse to have an exam scheduled on a different day.**

Notes on exam coverage:

- The sections indicated for each exam may change if the schedule requires it. If this occurs it will be announced in class prior to the exam.

- Although Exam 2 is not explicitly cumulative, a thorough understanding of the material covered in Exam 1 is needed to master the material covered in Exam 2. However, Exam 2 will primarily focus on the material covered since Exam 1.

- The Final Exam is cumulative.

- On all exams, standard graphing calculators (those without a full alphanumeric keypad) are allowed. Problems will be written with the expectation that these calculators will be used. Other or more powerful calculators must be approved. On all exams, students are allowed to bring notes written on both sides of one 3" by 5" card.

Grading Policy: All sections of Math 116 use the same grading guidelines to standardize the evaluation process. The three uniform exams are worth 25% (Exam 1), 30% (Exam 2), and 40% (Final) of the "Uniform Component" of each student's grade, and the web homework is worth 5% of the Uniform Component. The final course grade will be primarily determined by the Uniform Component grade for each student. However, for some students, the final course grade may be modified by the section component grade or the gateway exams. A complete explanation of the grading policy is given in the Student Guide on the course web site.

In-Class Grade (a.k.a. Section Component): Look carefully at the Student Guide for an explanation of how the section component grading policy works. Your in-class grade is your instructor's objective way of determining if your grade can be "bumped" up or down by one third of a letter grade. The in-class grade is broken down as follows:

Team Homework	60%
Quizzes	40%

Gateway Exams: There are two gateway tests for Math 116 students. The first reviews differentiation and the second covers techniques of integration. Practice gateway exams will be available for you to help you prepare. Students will lose a third of a letter grade (from their Uniform Component grade) for failing to pass the first gateway and a third of a letter grade for failing to pass the second. Gateways have to be taken in the gateway lab (B069 EH) and may be taken many times, but no more than twice per day. The opening and closing dates for the Gateway Exams will be announced in class and posted at the course website (under Key Dates).

Math Lab: Free tutoring from the Mathematics Department:

    Hours: Mon through Thu 11a-4p, 7-10p
                       Fri 11a-4p
                       Sun 7-10p
    Location: B860 East Hall

Other Important Dates:	Last day to drop without a W	Mon 24 September
	Fall Study Break	Mon-Tue 15-16 October
	LSA Drop Deadline (with a W)	Fri 9 November
	Thanksgiving Recess	Thu-Fri 22-23 November
	Last Day of Classes	Mon 11 December

Disabilities: Any student with a documented disability should contact me as soon as possible so that we can discuss arrangements to fit your needs.