

## Calculus 2

MATH 116 – Fall 2015

*Instructor:* Joshua Wiscons  
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**Office Hours** 2:30PM–4:30PM MWF. The [QSR center](#) (CJ 303) also provides many hours of free drop-in tutoring.

**Book** *Calculus: Early Transcendentals*, Eighth Edition; by James Stewart. While enrolled in Calc 2 (and if you enroll in Calc 3), you have access to the online e-text once you purchase a [WebAssign](#) access card.

**Course Webpage** [http://people.hamilton.edu/jwiscons/teaching/math116\\_f15.html](http://people.hamilton.edu/jwiscons/teaching/math116_f15.html)

**Course Overview** The course is divided into three main topics: integral calculus, infinite sequences and series, and 3-Dimensional coordinate geometry.

**Technology** The emphasis of this course is conceptual understanding, not computation. In particular, the use of calculators is not permitted on quizzes, midterm exams, or the final exam. Feel free to use calculators and/or computer software programs on the homework assignments, but keep in mind that you cannot use them on exams or quizzes.

**Typical Day** A typical class meeting will consist of a period of groupwork, discussion, and student presentations followed by a mini-lecture from me.

### Course Components

*Homework.* Homework will be due each Tuesday and Friday at 5:00PM. About half of each assignment will be questions to do on online, through [WebAssign](#), and half will be turned in on paper in the relevant folder outside of my office door. You are *allowed and encouraged* to work together on homework, but you are expected to **enter and write up your solutions on your own**. Your on-paper work must be written clearly, must include all supporting work, and must be professional in appearance.

- (Clarity) I will insist that the grader take off points if the work is not easy to follow, even if the solution is correct.
- (Supporting work) I will insist that the grader take off points if the work is not sufficiently justified.
- (Professionalism) I will insist that the grader take off points if the work is not professional in appearance. In particular, do not turn in work on paper torn out of a spiral notebook or work with parts scribbled out. [Origami staples](#) are usually frowned upon as well.

*Quizzes.* In-class quizzes will be given throughout the semester.

*Discussion.* Learning to discuss mathematics will be a highly valued part of this course. This component will evaluate your progress in areas such as ability to present a solution (with clarity and thoughtfulness), ability to share and shed light on your difficulties and failures, and ability to listen critically and respond accordingly, e.g. catching errors and asking follow-up questions.

*Exams.* There are 2 midterm exams scheduled for the following evenings:

Exam 1	Thursday, October 8, 6:00–8:30PM
Exam 2	Thursday, November 19, 6:00–8:30PM

## Grade Composition

Homework	15% (the lowest 2 scores will be dropped)
Quizzes	5%
Discussion	15%
Low midterm exam	18%
High midterm exam	22%
Final	25%

**Getting Help** Mathematics is hard. Try hard. But don't be surprised if that is not always enough. Talk with your classmates. Talk with the [QSR](#) tutors. Talk with me. But please try to avoid asking "how do I start." Instead, try to rewrite the problem in a way that is more meaningful to you and then ask, "does my interpretation of the question seem correct." Very often, the act of "simply" reformulating a problem will lead to insight about its answer.

**Switching Courses** The course change deadline is Friday, September 4 (for example, for moving from Math 116 to Math 216). However, you may change from Math 116 to Math 113 as late as Friday, September 11. Talk to me to discuss changing courses in advance of these deadlines.

**Disabilities** Any student with a documented disability needing academic adjustments or accommodations speak with me during the first two weeks of class. All discussions will remain confidential. Students with disabilities should also contact Allen Harrison in the Dean of Students Office (Elihu Root House; 315.859.4021) who coordinates resources and services for students with disabilities.