

General syllabus for Math M215**5 credit hours**

Textbook: *Calculus, Early Transcendentals, 6th edition* by James Stewart

Calculators: Most instructors allow students to use graphing calculators such as the TI-83 through TI-86 on homework, quizzes, and tests. The use of symbol manipulators such as the TI-89 and TI-92 are not allowed in this course.

Chapter	Sections covered
1. Functions and models (review)	1.3, 1.5, 1.6
2. Limits and derivatives	all
3. Differentiation rules	all, except 3.11 is sometimes postponed
4. Applications of differentiation	all; 4.6 integrated with other sections
5. Integrals	all; 5.5 needs extra time for most classes
6. Areas between curves	covered briefly if time remains; M216 starts with this.

In advance of the start of the semester, some instructors recommend students work the Diagnostic Tests that appear at the front of the book and take action to strengthen their background in areas in which their knowledge is deficient. In any case, no more than one week is used for review of topics from pre-calculus courses.

Most instructors give two or three exams during the semester plus a comprehensive final exam.

updated August 2009