

## Syllabus for MA 163 Calculus II, Winter 2013

**Instructor:** Qinghong Zhang

**Office:** New Science Facility: Room 1133

**Email:** [qzhang@nmu.edu](mailto:qzhang@nmu.edu)

**Tel:** 227-1511

**Office Hours:** 11:00—13:00 MW, 10:00—12:00 TR, and by appointments

Upon successful completion of this course, a student should be able to:

- select and correctly apply specialized integration techniques, including integration by parts, partial fractions, and trigonometric substitution
- select and correctly apply various tests to determine convergence and divergence of sequences, series, power series, and improper integrals
- use integration techniques to compute arc length and area of a surface of revolution
- apply integration techniques and power series to model and solve common problems in applied mathematics, basic physics, and engineering

Evaluation of these learning outcomes will be done through assignments, quizzes, and exams.

**Prerequisite:** A grade of C- or better in MA 161.

**Textbook:** Calculus, Early Transcendentals 6<sup>th</sup> Edition by James Stewart.

**Attendance:** Students are expected to attend all the classes. Attendance will be taken at the beginning of the class.

**Grading Plan:** Coursework will be weighted as follows:

Homework: online 5%, hardcopy 15%.

Class participation and presentations: 10%.

Tests: 45%.

Final Exam: 25%

It is important to take the tests and exam at the scheduled time. Generally, no make-ups will be given.

Grading: 90%—100%, A; 80%—89%, B; 70%-79%, C; 60%-69%, D; 0%-59%, F.

**Disabilities:**

If you have a need for disability-related accommodations or services, please inform the Coordinator of Disability Services in the Dean of Students Office at 2001 C. B. Hedgcock Building (227-1700). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.