MATH 1103/01 Calculus II (Math/Science Majors) Spring 2015 Syllabus
MWF 10 am, Fulton Hall 230

Instructor: Mark Reeder, Carney 322, reederma@bc.edu

Office hours: Mon 2-3, Tue 3-4, Fri 2-3 and by appointment. Email is good for quick questions and hints.

Teaching Assistant: Tyson He, Carney 368, hedo@bc.edu

TA Office hours: TBA

Recitation sections: In addition to the MWF lectures given by the instructor, there are two recitation sections MATH114902 at 10:00, or MATH114903 at 12:00 (you must be registered in one of these), which all meet on Tuesdays in Gasson 309.

Recitations are led by the TA, and will include homework discussion and occasional new material. This is also a place for students to ask questions in a smaller group setting.


Course Topics: This course is a thorough introduction to integral calculus and infinite series, with applications and historical perspective. We will cover parts of chapters IX through XIV, with additional material not in the text.

Prerequisites: This is a second semester calculus course, following MATH1102. Students are expected to have a thorough understanding of differential calculus, as found in MATH1102, as well as high school algebra, trigonometry and geometry. If you did not take MATH1102 last fall, you can find course notes and homework problems for that course on my webpage.

MATH1103 is the most advanced calculus course offered at Boston College. It is intended for math, physics, chemistry, and other science majors who seek a thorough foundation in Calculus, including PROOFS of many facts. If you would like an easier calculus course, please consider MATH1101. For example, Biology majors (premed) can fulfill their math requirement with MATH1100 and MATH1101.

Homework: It will be assigned and collected every week, approximately. HOMEWORK WILL NOT BE ACCEPTED AFTER THE DAY IT IS DUE. Your lowest two homework scores will not count, so missing up to two assignments will not harm your grade. You can discuss homework problems with others, but what you hand in should be your own work. Write neatly and staple the pages in the upper left corner. Sloppy homework may be rejected.

Exams: We will have two in-class exams on Wednesday February 18 and Friday, April 10, along with a final exam Tuesday, May 5 at 9:00 am.

Calculators, cell phones and other electronic devices may NOT be used on any exam. Using an electronic device on an exam will be considered as cheating. See www.bc.edu/integrity.

Cheating on any exam will result in a failing grade in the course!
**Make-up policy**  Unexcused absence from an exam results in a zero score. No exceptions. If you have a legitimate reason for missing an exam, you must arrange to take the exam **before** the scheduled day of the exam. If you are sick the day of the exam, or have a family emergency, etc. go to Health Services or your dean’s office; they will provide me with documentation of your illness or emergency.

If you are a student with a documented disability seeking reasonable accommodations in this course, please contact Kathy Duggan, (617) 552-8093, dugganka@bc.edu, at the Connors Family Learning Center regarding learning disabilities and ADHD, or Paulette Durrett, (617) 552-3470, paulette.durrett@bc.edu, in the Disability Services Office regarding all other types of disabilities, including temporary disabilities. Advance notice and appropriate documentation are required for accommodations.

**Grades:**  The scores are weighted as follows.

Homework: 30%,  Exams: 20% each,  Final: 30%.

Thus, at the end of the course you will receive a number $N$, using this formula:

$$N = \left( \frac{3}{10} \times \text{HW \%} \right) + \left( \frac{2}{10} \times \text{Exam 1 \%} \right) + \left( \frac{2}{10} \times \text{Exam 2 \%} \right) + \left( \frac{3}{10} \times \text{Final \%} \right)$$

Your grade will be determined by your value of $N$, based on the following two rules: 1) Any student with the highest $N$ gets an A. 2) Students with nearby $N$’s receive nearby grades.

**Advice:**

1. Attend all recitations. New material will be sometimes covered in recitations.

2. Ask questions when you have them!

3. Do some math every day; this is better than cramming the night before.

4. Do homework problems first on scratch paper, then redo your work neatly for handing in. Do not hand in scratch paper!

5. Prepare for an exam by doing as many problems as you can, until you get them right the first time, not after repeated consultations of the answer key.