The course will be divided into four units:

Unit 1: Transcendental Functions (Sections 6.1–8)

Unit 2: Integration Techniques, Indeterminate Forms and Improper Integrals (Sections 7.1–5 and 8.1–4)

Unit 3: Infinite Series (Sections 9.1–9)

Unit 4: Conics, Polar Coordinates and Differential Equations (Sections 10.5–7 and 15.1–3)

which will cover the indicated sections of the text, time permitting.

Grading

Tests

After each of the first three units (outlined above), there will be a test, in class. The tests will occur in February, March and April, with tentative dates posted at the class web site. Exact dates will determined by a vote of class members, in order to minimize conflicts with other courses. Each test will be worth 20% of the final grade.
Once determined by voting, the exact dates for each test will be announced in class and posted on the class web page.

**Danger!** There will be no make-up tests without a doctor’s note or an equivalent well-documented excuse.

**Final Examination**

There will be a two-hour final examination, in WEB L 102 (our usual class), starting at 8:30 PM, on Monday the 2nd of May. Half of the questions will be like a test on the fourth unit of course content (described above). The other half of the questions will cover topics from the first three units. The final examination will be worth 40% of the total grade.

**Danger!** You must take the final. Do not make travel plans for leaving campus before the 2nd of May or make plans to return.

**Suggested Problems**

Suggested problems will be announced in class, as the relevant material is covered, and then posted on the class web page. These problems will not be collected for grading but will form the basis for test questions, including slightly modified homework problems or a direct combination of methods from two homework problems.

**Danger!** Test questions will be carefully designed to reward students who learn how to do the homework, without rewarding students who simply memorize the answers.

**Getting Help**

**Help Center**

The Mathematics Tutoring Center (between JWB and LCB, lower level) The hours are 8:00 AM – 8:00 PM from Monday to Thursday and 8:00 AM – 6:00 PM on Friday. The center is closed on weekends and holidays.

**Office Hours**

I will be happy to answer simple or moderately complex questions after class. For students who need more help, I am happy to meet in the Mathematics Tutoring Center, by appointment, given advanced notice of at least one day. As a rough guide, my other duties leave me about three hours each week for student consultations on a first-come-first-served basis. For improved efficiency, small groups are encouraged.