Math 6190 Syllabus – Spring 2011

ANALYSIS I

Instructor Information

Instructor: Dr. Wandi Ding

Office: KOM 203G, Phone: 615-494-8936

E-mail: wding@mtsu.edu, Web page: http://www.mtsu.edu/~wding

Office Hours: MWF 10:00 - 11:00 a.m., 3:00 - 4:00 p.m. or by appointment

Course Information


Class Schedule: MW 4:10-5:35 p.m. in KOM 221

Prerequisites: MATH 4250 or equivalent.

Content: Three credits. Rigorous treatment of limits, continuity, differentiation, and integration in n-dimensional Euclidean space; infinite series; introduction to metric spaces.

Objectives: Exposure to real analysis is important for those who enter graduate school in mathematics or mathematics education, as well as those who plan to teach mathematics at the secondary level or higher. We will also delve into some new topics which illustrate the power and applicability of real analysis. As a result of your successful completion of this course, you should gain the following:

- A broader perspective on mathematics as a whole, and
- the ability to present concise mathematical proofs orally and in writing.

Requirements: In general, you are expected to

1. attend class lectures and take good notes;
2. read the lecture notes thoroughly and solve the assigned problems;
3. ask question in class when you are unsure of any concept or unclear on any assigned problem;
4. come to my office for additional assistance as necessary;
5. take all exams on the day they are scheduled.

**Grading Policy:**

Homework: 40%
Midterm: 30%
Final Exam: 30%

90-100 A, 80-89 B, 70-79 C, 60-69 D, Below 60 F.

**Final Exam:** Monday, May 2, 3:30 - 5:30 p.m.

**Additional Information**

**Important Dates:**

January 26 – Deadline for students to drop a course without a grade
March 25 - Deadline for students to drop a course with a grade of "W"
April 27 - Last day of classes (Wednesday)

**Drop/Withdrawal Policy**

Please note the Drop Policy and Withdrawal Procedures as they are stated in the Fall 2010 Registration Guide. The last day to drop this course without a grade is September 10. The last day to drop this course with a "W" is October 15. A grade of “I” will be given only in accordance with University Policy.

No grade of “W” will be assigned after the official drop date except in situations involving extreme extenuating circumstances beyond the student’s control. In particular, a “W” will not be granted merely because the student is failing. Students should be aware that missing the official drop date and thereby receiving an “F” can have ramifications on financial aid.

**Lottery Scholarships**

To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a cumulative TELS GPA of 3.0 thereafter. You may qualify with a 2.75 cumulative GPA after 72 attempted hours (and subsequent semesters), if you are enrolled full-time and maintain a semester GPA of at least 3.0. A grade of C, D, F, or I in this class may negatively impact TELS eligibility. Dropping a class after 14 days may also impact eligibility; if you withdraw from this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship. Lottery recipients are eligible to receive the scholarship for a maximum of five years from the date of initial enrollment, or until a bachelor degree is earned. For additional Lottery rules, please refer to your Lottery Statement of Understanding form, review lottery requirements on the web at
http://scholarships.web.mtsu.edu/telsconteligibility.htm, or contact the Financial Aid Office at 898-2830.

**Disability Assistance**

If you have a disability that may require assistance or accommodation, or you have questions related to any accommodations for testing, note takers, readers, etc., speak with me as soon as possible. Students must also contact the Office of Disabled Students Services (898-2783) with questions about scheduling such services.