

Spring 2010
Math 473
Advanced Analysis
Bouillon 106, 3:00 - 4:30 MF

Instructor: Dr. Jim Bisgard

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Office Hours: M-F 10:00 - 11:00, MF 2:00 - 2:50, and by appointment.

Required Text: Ross, Kenneth A.; Elementary Analysis: The Theory of Calculus ; Springer-Verlag

Course Goals: Math 473 is a continuation of Math 472, and the goals remain the same. Our topics will include:

1. Sequences and Series of Functions
2. Differentiation
3. Integration

1 Grades/Exams/Homework

- Grades

Grades will be calculated using the following weighting system:

Homework: 50%;

Exams: 50% total, broken up as follows: 25% for the mid-term and 25% for the final.

- Homework

You'll get a homework assignment every Monday (except the first week!) which will be due on the Friday of the following week **AT NOON**. You may use/ask/talk to whatever/whoever you'd like, as long as you say what resources you used. However, you must write your solutions up in **your own words** to hand in. **DO NOT** wait until the day before homework is due to start working on it. There won't be a large number of problems, but they will take some time to do!

- Exams

There will be two exams: a mid-term and a final. They will be take-home exams, and you'll have a week to work on them. In contrast to the homework, I want you to work by yourself on the exams. The mid-term will be handed out on April 26 and be due May 7. The Final Exam will be handed out on May 28 and due on June 9.

- Expectation for Homework and Exams

Your homework and exams should be written up neatly and legibly, using complete sentences where appropriate. (For example, I don't expect you to write $(a + b)^2 = a^2 + 2ab + b^2$ using complete sentences!)

2 Legalese/Fine Print

Students with disabilities who wish to set up academic adjustments in this class should give me a copy of their "Confirmation of Eligibility for Academic Adjustments" from the

Disability Support Services Office as soon as possible so we can discuss how the approved adjustments will be implemented in this class. Students without this form should contact the Disability Support Services Office, Bouillon 205 or dssrecept@cwu.edu or 963-2171.