**MATH 362 Intermediate Analysis II SS 20011**

**ID:** 001008 **TIME:** MWF 9:30-10:20 **Room:** 262 Bridges

**Instructor:** Dr. Adam M. Goyt ([goytadam@mnstate.edu](mailto:goytadam@mnstate.edu))

**Office:** 375D MacLean

**Website:** [www.mnstate.edu/goytadam/teaching/](http://www.mnstate.edu/goytadam/teaching/PDEV100SS08)

**Phone:** 218.477.2206

**Office Hours:**  M - F 8:30-9:20 and 2:30-3:20

**Textbook:** Introduction to Analysis, Edward D. Gaughan, 5th Edition

**Prerequisites:** MATH 361 Intermediate Analysis I.

**Course Description:** We will cover some or all of the following topics from the text: The Riemann Integral, The Fundamental Theorem of Calculus, Mean-Value and Change of Variable Theorems, Infinite Series, Convergence Tests, Power Series, Taylor Series, Sequences and Series of Functions, Types of Convergence of Sequences and Series of Functions, Topics from Multivariable Calculus.

**Evaluation:** There will be 13 homework assignments worth 20 points each. They will be due on the Wednesday of every week except the first and last weeks of the semester. There will be three midterm exams worth 100 points each. The final exam will be worth 150 points. This will give you a total of 710 points. Your grade will be based on the percentage of points you obtain. The grading scale is given roughly below.

A: 90 - 100 B: 80 - 90 C: 70 - 80 D: 60 - 70 F: < 60

**Final Exam:** May 11, 2010 at 9:00 am

**Disability Services:** Students with disabilities who believe they may need an accommodation in this class are encouraged to contact Greg Toutges, Coordinator of Disability Services at 477-5859 (Voice) or 1-800-627-3529 (MRS/TTY), CMU 114 as soon as possible to ensure that accommodations are implemented in a timely fashion.

**Academic Honesty:** Study groups are encouraged. However all work not designated as group work must be substantially the student’s own work. It is a fundamental rule in academia that another’s work must be acknowledged. No student shall claim or submit the work of another as one’s own. If you work with others, you should cite them in your homework. The University’s policy concerning academic integrity is covered in the student handbook (<http://www.mnstate.edu./sthandbook/academic_info/academicpolicies.htm>).

**Tentative Schedule:**

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| --- | --- | --- | --- |
| **Week Beginning** | **Monday** | **Wednesday** | **Friday** |
| Jan 10 |  |  |  |
| Jan 17 | **NO CLASS** | **HW #1 Due** |  |
| Jan 24 |  | **HW #2 Due** |  |
| Jan 31 |  | **HW #3 Due** |  |
| Feb 7 |  | **HW #4 Due** | **EXAM #1** |
| Feb 14 |  | **HW #5 Due** |  |
| Feb 21 |  | **HW #6 Due** |  |
| Feb 28 |  | **HW #7 Due** |  |
| Mar 7 |  | **HW #8 Due** |  |
| Mar 21 |  | **HW #9 Due** | **EXAM #2** |
| Mar 28 |  | **HW #10 Due** |  |
| Apr 4 |  | **HW #11 Due** |  |
| Apr 11 |  | **HW #12 Due** |  |
| Apr 18 |  | **HW #13 Due** | **NO CLASS** |
| Apr. 25 | **NO CLASS** |  | **EXAM #3** |
| May 2 |  | **STUDY DAY** |  |