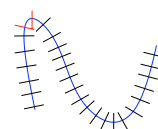


# M421 – Analysis II



## Syllabus

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**Professor:** Keith Promislow, D212 Wells Hall, 432-7135, [kpromisl@math.msu.edu](mailto:kpromisl@math.msu.edu)

**Office Hours:** Th 10:00-11:00am, W 4:00-5:00pm, or by appt.

**Class Web Page:** [www.math.msu.edu/~kpromisl/math421.html](http://www.math.msu.edu/~kpromisl/math421.html)

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**Text:** *An Introduction to Analysis*, 3rd ed., William Wade

**CH 5** Integrability on  $\mathbf{R}$ .

**CH 11** Differentiability on  $\mathbf{R}^n$ .

**CH 8** Euclidean Spaces.

**CH 12** Integration on  $\mathbf{R}^n$ .

**CH 9** Topology of Euclidean Spaces

(time permitting)

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### Important Dates

Sept. 3: Labor Day. No Classes.

Sept. 14: Last day to late add a course or change sections within a course. Last day to drop to a lower level course.

Sept. 26: Last day to drop and receive refund

Oct. 19: LAST DAY TO DROP with no grade reported

Nov. 24-25: Thanksgiving. No Classes.

Mon. Dec 12: FINAL EXAM 12:45pm-2:45pm

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### Grading

2 Hour Exams: 100 points each (Tentative dates: Oct 7, Nov 4). Your lowest hour exam percentage will be replaced with your final exam percentage if doing so raises your grade. *There are NO make-up exams*, a missed exam, for any reason, will be counted as your lowest.

Homework: 200 points. These will be “selectively-graded” (just a few problems from each assignment) and returned. Your lowest two homeworks will be dropped. Homework is due in class on Wed. or during my office hours on Wed. No late homework is accepted. The homework must be written in a clear manner, with sufficient english prose to make the argument readily understandable. *If a grader cannot easily follow your work, you will lose points.*

Final Exam: 200 points. Monday Dec 12, 12:45-2:45pm. The university does not permit early final exams for any reason. The final is cumulative. No student should miss the final.

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### Collaboration

The work you do on the homework problems must be your own. You may discuss the homework with me or your fellow students, but must acknowledge any help received. If there is persuasive evidence of widespread, unacknowledge collaboration, then exams will be made to count more and the homework less. Cases of flagrant cheating will be handled according to the University’s policy on Integrity of Scholarship and Grades; see pages 77 and 109-110 of the Spartan Life Handbook available at <http://www.vps.msu.edu/Splife/>