

Course Syllabus

Math – 405: Real Analysis

Fall 2013

Professor: Ian Besse	Office: Price 208
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Lecture Location: Price Hall 214	Lecture Times: MWF 2:15 – 3:20PM
Textbook: Real Analysis, 4 th ed., Royden and Fitzpatrick, 2010.	Office Hours: MWF 1:15 – 2:15 TTh 9:30 – 10:30, or by appointment.

Course Description:

This course covers selected topics in the theory of: Riemann integration, Lebesgue measure and integration, L^p spaces, and abstract metric spaces.

Prerequisite: MATH 326 with a minimum grade of C.

Resources:

Textbook: Students must purchase the textbook. For convenience the first chapter covered will be posted on Moodle.

Moodle: Assignments, supplemental materials, and grades can be viewed on the course Moodle site.

Office Hours: Please visit my office hours whenever you need assistance with the course material.

Course Format and Grading:

Homework (30%): Many of the homework exercises are formal mathematical proofs. Some proofs will be presented on paper (8.5" x 11" paper stapled in the upper left corner) and others will be presented to the class. Proofs will be graded on logical reasoning, clarity, and concision.

Midterm Exams (40%): There will be two midterm exams. The first will be held on **Wednesday, September 25** and the second will be held on **Wednesday, October 23**. Midterm exams will be administered during class time, may be cumulative, and may have a non-calculator portion.

Final Exam (30%): The final exam is on **Tuesday, December 10, 8:30 – 11:00 AM**. You must take the final at this time. Please make your travel arrangements accordingly.

Course grade breakdown:

Overall %	Letter Grade
[93,100]	A
[90,93)	A-
[87,90)	B+
[83,87)	B
[80,83)	B-
[77,80)	C+
[73,77)	C
[70,73)	C-
[60,70)	D
[0,60)	F

Important Dates:

Mon. Sept. 9: Last day to add/drop courses with no record.

Fri. Oct. 4: Fall Break – No class

Mon. Nov. 4: Last day to withdraw

Wed. Dec. 4: Reading Day

Dec. 5-11: Final Exams

Expectations

As a student enrolled in this course, you are expected to:

- Attend class, participate in class discussions, and ask questions.
- Familiarize yourself with sections of the textbook **prior** to their coverage in class.
- Complete all assigned work neatly, thoroughly, and on-time.
- Work enough additional problems to ensure comprehension of course material.
- Seek assistance from instructor or tutoring center when difficulties arise.

You should expect your instructor to:

- Arrive on time for lectures.
- Deliver well-prepared lectures.
- Establish clear course expectations.
- Evaluate coursework in a timely manner and provide constructive feedback.
- Be accessible and approachable outside of class.
- Promote an inclusive, supportive, and collaborative classroom environment.

Attendance Policy

Attendance is expected. Students with a record of arriving late or missing class will receive a warning and an alert of academic difficulty may be filed with the Associate Dean for Student Academic Affairs. If the behavior continues, further action (from a lower final grade to dismissal from the course) may result. Absences due to official Pacific University events are excused as long as you let me know at least one week in advance, so we can work together to schedule any necessary make-up activities.

Late/Missed Coursework Policy

Due dates for all coursework are firm and late work is not accepted for credit. However, I understand that occasionally circumstances outside of a student's control prevent the timely submission of work. In recognition of this, every student's lowest homework score will be dropped.

Academic Misconduct Policy

Pacific University has no tolerance for academic misconduct/dishonesty. It is university policy that all acts of misconduct and dishonesty be reported to the Associate Dean for Student Academic Affairs. Additionally, grade-related sanctions for such misconduct may be imposed at the discretion of the course instructor. These sanctions can range from a reduction of grade on a single assignment to an "F" for the course. Depending upon the severity of the actions, academic misconduct may result in suspension or dismissal from the university. Forms of academic misconduct include, but are not limited to, plagiarism, fabrication, cheating, tampering with grades, forging signatures, and using electronic information resources in violation of acceptable use policies.

Learning Support Services for Students with Disabilities

If you have documented challenges that will impede your learning in any way, please contact our LSS office in Scott Hall (ext.2107). The Director will meet with students, review the documentation of their disabilities, and discuss the services that Pacific offers and any appropriate ADA accommodations for specific courses.

Be advised that everything listed in this syllabus is somewhat tentative and subject to minor changes as circumstances dictate. However, any changes that become necessary will be communicated as soon as possible to students either during lectures, through email, or on Moodle.