Math 403: Classical Analysis I
Spring 2010

Instructor: Kris Wysocki
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Office Hours: Tuesday 4pm-5pm, Friday 10am-11am or by appointment.

Location & Time: 014 Henderson, Tuesday & Thursday 1pm–2:15pm

Textbook: A. Browder, Mathematical Analysis An Introduction (required).
W. Rudin, Principles of Mathematical Analysis (recommended).

Web-site: http://www.math.psu.edu/wysocki/M403/Math403.html

Homework: The homework assignments will be posted regularly on the web page of the course. I will announce in class when a new assignment is posted. Not all problems will be graded, I will randomly choose questions to be graded. However, you are expected to turn in solutions to all problems. Late homework will not be accepted.

Exams: There will be one midterm exam and the final exam. The midterm exam will be in class on Thursday, March 4. The date for the final exam will be announced later.

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

Course Description: The topics covered by the course include: metric and normed spaces, continuity in metric spaces, complete and compact metric spaces, the space of continuous functions, Ascoli-Arzela theorem, the Stone-Weierstrass theorem.