

Math 404: CLASSICAL ANALYSIS II
Spring 2008

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Office Hours: Tuesday 4:00-5:00PM, Wednesday 1:00-2:00PM otherwise by appointment only.

Location & Time: 003 Ferguson, Tuesday and Thursday 11:15A - 12:30P.

Textbook: James Munkres, *Analysis on Manifolds*, Westview Press (June 1997)

Web-site: <http://www.math.psu.edu/wysocki/Math404.html>

Course Description: Differentiation of functions from R^n to R^m , implicit function and inverse function theorems, Riemann integration, Fubinis theorem,.

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 which will 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 6. The date for the final exam will be announced later.

Grading:

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