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Course 2 (Fall 2015) Intro Mod Analysis MAA 4226/5228 Sections 1484/8525

Time and Location

M W F4, Little 205 10:40am-11:30am.

Office Hour: MHF 12:30-1:30pm.

Description and Goals

This course will cover real and complex number systems in Ch 1. In Chapter 2 we study metric spaces and basic topology, compact sets, properties, perfect sets. In Ch 3 we study sequences and series, the root and ratio tests. Ch 4 continuity, compactness, monotone functions. Ch 5 differentiation, mean value theorems, L'Hospital's rule, Taylor's theorem. In Ch 6 the Riemann-Stieltjes integral and properties is covered.

Textbook:

Text: Principles of Mathematical Analysis, by Walter Rudin, 3rd ed.

Homework

Homework will be assigned after each lecture. I will collect the homework from time to time.

Final Grades

Exam one (mid-term) September 9 (20%)

Exam two (mid-term) October 5 (20%)

Exam three (mid-term) November 9 (20%)

Homework -10%

Final exam -TBA 30%

Grading Scale

A: 85+ or above; B+: 75-84; B: 70-74; C+: 65-69; C: 60-64; D: 50-59; E: 0-49.

Attendance and Late Policy

ABSOLUTELY NO MAKEUPS WITHOUT MEDICAL DOCUMENTATION. Requirements for class attendance and make-up exams, assignments, and other work in this course are consistent with university policies that can be found at :

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Students that need accommodation

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, www.dso.ufl.edu/drc/) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

Information on current UF grading policies for assigning grade points:

<https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Information on course evaluation

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

