



Email: [mjury@ufl.edu](mailto:mjury@ufl.edu)

Office: Little Hall 484

Office Hours: MW 4th hour, F 5th hour

Text: There is no required text for the course, all the material may be found in the lecture notes which will be posted below as the course progresses. If you want to look at a book, two that may be helpful are

[Introduction to Analysis](#), by Maxwell Rosenlicht, Dover, 1968.

and

[Principles of Mathematical Analysis](#), by Walter Rudin, McGraw-Hill, 1976.

Topics for this second semester include, uniform convergence; differentiation; Riemann integration; sequences and series of functions; the calculus of functions from  $\mathbb{R}^n \rightarrow \mathbb{R}^m$ ; and the inverse and implicit function theorems. Other topics as time permits. In addition to mastery of the course content, course objectives include reading, writing, and discovering proofs and constructing proofs and counterexamples in analysis.

Monday 1/8: Introduction to the course, review of uniform continuity, Section 8.5

Wednesday 1/10: Begin Section 9

Homework will be collected and graded roughly once a week; for a total of about 10 to 15 problems. In addition several problems will be assigned each lecture (not to be turned in). Late homework will not be accepted, but the the lowest two homework scores will be dropped.

The course grade will consist of the homework average (25% of the final grade) and three midterm exams (25% each). Final grades are assigned according to the standard scale: 90-100 A, 87-89 A-, 84-86 B+, 80-83 B, 77-79 B-, etc.

Tentative exam dates are as follows:

Exam 1 Wednesday 7 February

Exam 2 Wednesday 21 March

Exam 3 Monday 23 April

The final exam (Thursday 3 May, 12:30–1:30 PM) will serve as a make-up.

No notes or books will be allowed during exams.

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Grading will be in accord with the UF policy stated at

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

The course will be conducted in accordance with the University honor code and academic honesty policy, which can be found in the

[student guide](#)

“Students with disabilities requesting accommodations should first register with the Disability Resource Center(352-392-8565),

<https://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.”

“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/>.”

392-1575 <http://www.counseling.ufl.edu/cwc/Default.aspx>



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