

MAA4103/MAA5105: Advanced calculus
MWF Period 4 (10:40am - 11:30am) Room: Little 0217

Instructor: Cheng Yu, chengyu@ufl.edu

Office Hours: MW 5 periods or by appointment.

Canvas Messages: Check your emails often so that you do not miss any important announcements.

Prerequisites: The course is a continuation of MAA 4102 and MAA 5104. C or better is required.

Textbooks: Witold A. J. Kosmala, A Friendly Introduction to Analysis, second edition, Pearson Prentice Hall, Upper Saddle River, NJ 07458.

Description: This course is designed for any undergraduate students in Mathematics. In this course, we will discuss much of Chapters 5, 6, and 9 of the textbook. In particular, we will cover the following sections:

- a. sections 5.1-5.5,
- b. sections 6.1-6.5,
- c. sections 9.1-9.7.

Homework assignments: There will be several homework assignments. The test questions will be similar but different to homework problems. Please do all homework problems independently.

Exams: No use of calculators, or books will be allowed during any tests. No makeups WITHOUT medical documentation. There will be three Mid-exams and one comprehensive final as follows

Midterm Exam 1: Feb. 4, Friday.

Midterm Exam 2: Mar.16 , Wednesday.

Midterm Exam 3: April 15, Friday.

Final Exam: 3:00 p.m - 5:00 p.m, April 28.

Grade Policy: Each mid exam is 25 percent, and final is also 25 percent. The class participation will be considered in borderline grades. The grade scale is as follows:

A : [92, 100].

A- : [89, 92).

B+:[85, 89).

B : [80, 85).

B-:[77, 80).

C+:[75, 77).

C : [70, 75).

C-:[68, 70).

D : [60, 68).

F : [0, 60).

Students with Disabilities: 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.

Diversity and inclusion: I am committed to diversity and inclusion of all students in this course. I acknowledge, respect, and value the diverse nature, background and perspective of students and believe that it furthers academic achievements. It is my intent to present materials and activities that are respectful of diversity: race, color, creed, gender, gender identity, sexual orientation, age, religious status, national origin, ethnicity, disability, socioeconomic status, and any other distinguishing qualities.