

Math 448 - Complex Variables - Spring 2022

Instructor: Professor Alexander Tumanov

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Class Meetings: Tuesday and Thursday at 11:00 - 12:20 am in 443 Altgeld Hall. Lecture notes will be posted. Please study them in advance to get prepared for the meetings so you can participate. Videos of class meetings from previous semesters will be posted - watch them if you'd like.

Office Hours: Tuesday and Thursday at 1:00 pm. **Let me know in class that day if you plan to come.** Alternatively, make an appointment for a Zoom meeting.

Text: S. D. Fisher, Complex Variables, 2nd Edition, Dover, 1999. The textbook will be used as a source of examples and homework assignments.

Course Material: Complex analysis is a fascinating subject and it has numerous applications to nearly every area of mathematics. It has important application to electrical engineering. I hope you will find it beautiful. We will cover Chapters 1-3 of the textbook.

Homework: Weekly homework assignments with due dates will be posted under "Homework Assignments" tab. Homework will be collected online under "Homework Upload" tab. As a rule, each homework will be due before the class meeting on Tuesday of the following week. Solutions will be posted. No late homework will be graded. I will drop the lowest homework when calculating your final grade (a dropped homework may be a zero).

Quizzes: We may occasionally have short quizzes on Thursdays. Each quiz will be announced.

Exams: There will be three midterm exams on Thursdays **Feb 17, Mar 24, and Apr 21**. Books, notes, calculators, cell phones, other electronic devices will not be allowed during the exams. No make-up exams will be given. In case of university sponsored travel or documented illness or emergency, a midterm exam may be dropped. The final exam will take place on **Thursday, May 12, 8-11 am** in the regular room.

Grading: Your course grade will be based on three midterm exams, homework and quizzes, and the final exam. Each midterm exam is worth 17.5%, homework and quizzes altogether - 17.5%, and the final exam - 30%. Tentative curve:

A(+/-): 86-100%; B(+/-): 72-85%; C(+/-): 57-71%; D(+/-): 40-56%.

I may slightly adjust the curve later to see it fit.

Academic integrity: According to the Student Code, "It is the responsibility of each student to refrain from infractions of academic integrity, from conduct that may lead to suspicion of such infractions, and from conduct that aids others in such infractions." It is my responsibility as an instructor to uphold the academic integrity policy of the University, which can be found at <http://studentcode.illinois.edu>

COVID-19: Students are required to show their Building Access Status in the Safer Illinois app or the Boarding Pass on instructor's request. Students are required to wear face masks during class meetings.

Extended drop deadline: LAS and Engineering students enrolled in Math 448 are permitted to drop from the course without academic penalty and without petition by **TBA**.

Concluding Remarks: The course will be challenging for most students. You will have to understand the proofs of theorems and derivations of formulas. Learn the ideas, don't memorize solutions to particular examples. Express yourself clearly. Start working early. Get prepared for every class meeting. Your grade and satisfaction will depend on your effort.

Start working today. Tomorrow may be too late.

Good Luck!