

Course Syllabus

1. Course Information:

Course Prefix, Number, Section: MATH 3379.001

Date and Time: Monday & Wednesday 2:30-3:45 pm

<https://ets.utdallas.edu/elearning/resources/software/blackboard-ultra#BlackBoard> eLearning

Course Title: Complex Variables

Term: Spring 2021

2. Professor Contact Information

Dr. Ali Hooshyar

Office: Founders Building FO 2.610 D Office hours: M & R 4:30pm -- 5:30pm,

<https://ets.utdallas.edu/elearning/resources/software/blackboard-ultra> BlackBoard eLearning

E-mail: @utdallas.edu

Phone: (972) 883 2171

3. Course Modality and Expectations:

Instructional Mode: Remote/Virtual; Learning

Course Platform: This course will be delivered using

<https://ets.utdallas.edu/elearning/resources/software/blackboard-ultra> BlackBoard

BlackBoard Collaborate.

Lectures will be given at scheduled times, but all course videos will be recorded and available for asynchronous viewing on <https://ets.utdallas.edu/elearning#eLearning> eLearning.

Expectations: Students are expected to attend all course meetings at the scheduled time, ask questions during class, office hours, send emails to the instructor and participate in message boards.

Asynchronous Learning Guidelines: If you have selected this option please contact me. You will be expected to view recorded lectures posted on <https://ets.utdallas.edu/elearning#eLearning> {eLearning}, participate in message boards, complete all assignments, and take all exams.

4. COVID-19 Guidelines and Resources: The information contained in the following link lists the resources for students and instructors of record. Please see <http://go.utdallas.edu/syllabus-policies> COVID-19 Guidelines {COVID-19 Guidelines}.
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5. Class Participation

Regular class participation is expected regardless of course modality. Students who fail to participate in class regularly are inviting scholastic difficulty. A portion of the grade for this course is directly tied to your participation in this class. It also includes engaging in group or other activities during class that solicit your feedback on homework assignments, readings, or materials covered in the lectures (and/or labs). Class participation is documented by faculty. Successful participation is defined as consistently adhering to University requirements, as presented in this syllabus. Failure to comply with these University requirements is a violation of the <https://policy.utdallas.edu/utdsp5003#StudentCode> {Student Code of Conduct}.

6. Class Recordings

Students are expected to follow appropriate University policies and maintain the security of passwords used to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of the <https://policy.utdallas.edu/utdsp5003> Student Code

7. Student Code of Conduct

The instructor may record meetings of this course. Any recordings will be available to all students registered for this class as they are intended to supplement the classroom experience. Students are expected to follow appropriate University policies and maintain the security of passwords used

to access recorded lectures. Unless the Office of Student AccessAbility has approved the student to record the instruction, students are expressly prohibited from recording any part of this course. Recordings may not be published, reproduced, or shared with those not in the class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. If the instructor or a UTD school/department/office plans any other uses for the recordings, consent of the students identifiable in the recordings is required prior to such use unless an exception is allowed by law. Failure to comply with these University requirements is a violation of the <https://policy.utdallas.edu/utdsp5003#StudentCode> Student Code of Conduct.

8. Class Materials

The instructor may provide class materials that will be made available to all students registered for this class as they are intended to supplement the classroom experience. These materials may be downloaded during the course, however, these materials are for registered students' use only. Classroom materials may not be reproduced or shared with those not in class, or uploaded to other online environments except to implement an approved Office of Student AccessAbility accommodation. Failure to comply with these University requirements is a violation of <https://policy.utdallas.edu/utdsp5003#StudentCode> Student Code of Conduct.

9. Technical Requirements

In addition to a confident level of computer and Internet literacy, certain minimum technical requirements must be met to enable a successful learning experience. Please review the important technical requirements on the <https://ets.utdallas.edu/elearning/students/current/getting-started> Getting Started with eLearning webpage.

10. Course Access and Navigation

This course can be accessed using your UT Dallas NetID account on the <https://elearning.utdallas.edu/> eLearning website. Please see the course access and navigation section of the <https://ets.utdallas.edu/elearning/students/current/getting-started> Getting Started with eLearning webpage for more information. To become familiar with the eLearning tool, please see the <https://ets.utdallas.edu/elearning/students/current/tutorials> Student eLearning Tutorials webpage. UT Dallas provides eLearning technical support 24 hours a day, 7 days a week. The <https://ets.utdallas.edu/elearning/helpdesk> eLearning Support Center includes a toll-free telephone number for immediate assistance (1-866-588-3192), email request service, and an online chat service.

11. Communication

This course utilizes online tools for interaction and communication. Some external communication tools such as regular email and a web conferencing tool may also be used during the semester. For more details, please visit the <https://ets.utdallas.edu/elearning/students/current/tutorials> Student eLearning Tutorials webpage for video demonstrations on eLearning tools. Student emails and discussion board messages will be answered within 3 working days under normal circumstances.

12. Distance Learning Student Resources

Online students have access to resources including the McDermott Library, Academic Advising, The Office of Student AccessAbility, and many others. Please see the <https://ets.utdallas.edu/elearning/students/current> eLearning Current Students} webpage for more information.

13. Server Unavailability or Other Technical Difficulties

The University is committed to providing a reliable learning management system to all users. However, in the event of any unexpected server outage or any unusual technical difficulty which prevents students from completing a time sensitive assessment activity, the instructor will provide an appropriate accommodation based on the situation. Students should immediately report any problems to the instructor and also contact the online eLearning Help Desk. The instructor and the <https://ets.utdallas.edu/elearning/helpdesk> eLearning Help Desk will work with the student to resolve any issues at the earliest possible time.

14. Course Pre-requisites, Co-requisites, and/or Other Restrictions

Course Pre-requisites: MATH 2451 or Math 3351 and MATH 3310

15. Course catalog description

Please see: <https://catalog.utdallas.edu/2020/undergraduate/courses/math>

16. Student Learning Objectives/Outcomes

- a) Students will be able to articulate properties of complex numbers, analytic functions, residues and conformal mapping.
 - b) Students will be able to apply their knowledge of complex variables to construct and analyze models arising in applications in mathematics, physics, and engineering,
 - c) Students will be able to perform quantitative and qualitative analysis of problems using complex variables methods.
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17. Required Textbooks and **Materials**

"Complex Variables and Applications," 9th Edition. By: J.W. Brown and R.V. Churchill

18. Assignments & Academic Calendar

Exam Dates

Exam 1 – February 24: via eLearning

Exam 2 – March 31: via eLearning

Exam 3 – May 5: via eLearning

19. Grading Policy

HW = Exam 1= Exam 2= Final= 25%

20. UT Dallas Syllabus Policies and Procedures

The information contained in the following link constitutes the University's policies and procedures segment of the course syllabus, . Please go to <http://go.utdallas.edu/syllabus-policies> for these policies.

The descriptions and timelines contained in this syllabus are subject to change at the discretion of the Professor.