

MATH 3580: COMPLEX VARIABLES

Fall 2017

MWF 8:00-9:05 Sullivan-Harrell 269

Instructor

Dr. Alex Rice

Office

Sullivan-Harrell 364

Hours (Subject to Change)

Monday 1:00-2:30pm, Wednesday 9:15-10:15am

Thursday 10:00-11:30am

E-mail

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Phone

601-974-1371

Text

Complex Variables and Applications, 8th edition, Churchill and Brown

Course Objectives

Informally speaking, this course might be called as “calculus on complex numbers”. This course studies complex numbers, functions of a complex variable, limits and continuity of functions of a complex variable, analytic functions, Cauchy theorems and integrals, Taylor and Laurent series, residues and contour integration. By the completion of the course, students should be able to have a solid understanding of complex variables.

Course Content

This course will include, but not be restricted to, Chapters 1-8 of the text.

Course Prerequisites

MATH 2240 (Calculus III) or equivalent.

American Disabilities Act

If you have any needs or require accommodations related to a disability or learning difference, please contact Patrick Cooper to register with the Office of Disability Services. You can reach him via e-mail at coopeap@millsaps.edu or by calling extension 1228. Accommodations will not be granted until a meeting has taken place with Patrick, letters have been processed, and you have met with your instructor.

Course Grade

Homework Assignments (Roughly Biweekly)	25%
Two In-class Exams (Fri 10/6, Fri 11/17)	20% each
Take-Home Final Exam	25%
Short Paper/Presentation	10%

Important Dates

September 4	Labor Day, no classes
October 9-10	Fall Break, no classes
November 1	Last day for dropping courses with grade of W
November 22-24	Thanksgiving Holiday

Tentative Homework Due Dates (Subject to Change)

F 9/15, F 9/29, F 10/20, F 11/10, W 11/29

The take-home final exam will tentatively be due Friday 12/8.

Honor Code

Millsaps College is an academic community dedicated to the pursuit of scholarly inquiry and intellectual growth. The foundation of this community is a spirit of personal honesty and mutual trust. Through their Honor Code, the students of Millsaps College affirm their adherence to these basic ethical principles.

An Honor Code is not simply a set of rules and procedures governing students' academic conduct. It is an opportunity to put personal responsibility and integrity into action. When students agree to abide by an Honor Code, they liberate themselves to pursue their academic goals in an atmosphere of mutual confidence and respect.

The success of the Code depends on the support of each member of the community. Students and faculty alike commit themselves in their work to the principles of academic honesty. When they become aware of infractions, both students and faculty are obligated to report them to the Honor Council, which is responsible for enforcement. A representative, but not exhaustive, list of academic offenses and violations covered by the Millsaps Academic Honor Code is provided at http://www.millsaps.edu/academics/honor_code.php.

The pledge signed by all students upon entering the College is as follows:

As a Millsaps College student, I hereby affirm that I understand the Honor Code and am aware of its implications and of my responsibility to the Code. In the interests of expanding the atmosphere of respect and trust in the College, I promise to uphold the Honor Code and I will not tolerate dishonest behavior in myself or in others.

Each examination, quiz, or other assignment that is to be graded will carry the written pledge: **"I hereby certify that I have neither given nor received unauthorized aid on this assignment. (Signature)"** The abbreviation **"Pledged"** followed by the student's signature has the same meaning and may be acceptable on assignments other than final examinations.

It is the responsibility of students and faculty to report offenses to the Honor Code Council in the form of a written report. This account must be signed, the accusation explained in as much detail as possible and submitted to the Dean of the College.

The Honor Council, 2017–2018

Students:

Patrick Davis, Chair
DJ Hawkins, Vice Chair
Lillian-Lee Broussard
Emma Carter

Faculty:

Dr. Lynn Raley (Fall) / Dr. David Wood (Spring) - Faculty Advisor
Dr. Blakely Fender
Dr. Nathan Shrader