

MATH 566.60A - COMPLEX VARIABLES

SPRING 2020

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Lecture Hours: 10:30am - 11:45am TR
Office Hours: Mon: 9:30 - 10:45; Tue: 9:00 - 10:00; Wed: 12:00 - 1:00; Thu: 9:00 - 10:00; Fri: 9:30 - 10:45.

If you would like to meet with me but cannot make the posted times, see me after class and we'll set an appointment. I am also around at other times, so feel free to drop in.

Description: In this course we study functions of a complex variable. We will investigate properties of the complex number system, analytic functions, elementary functions, contour integration, residues and poles, and conformal mappings. The prerequisite for this course is MATH 464/506.

Required Text: *Basic Complex Analysis* (3rd Edition) by Jerrold E. Marsden and Michael J. Hoffman.

We will cover the following sections in the text: 1.1 - 1.6, 2.1 - 2.5, 3.1 - 3.3, 4.1 - 4.4, 5.1 and 5.2.

Homework: Homework will be assigned at each meeting. All homework problems assigned will be collected, preferably no more than 2 meetings later.

Exams: There will be 3 take-home exams for this course.

Grading: Your grade will be calculated based on the following point distribution:

2 Take-Home Exams (100 points each):	200
1 Cumulative Take-Home Final Exam:	150
Homework Sets:	100
Total Points:	450

Grades will be assigned based on the following scale:

Percentage Range	Grade
93.0 - 100.0	A
90.0 - 92.9	A-
87.0 - 89.9	B+
83.0 - 86.9	B
80.0 - 82.9	B-
77.0 - 79.9	C+
73.0 - 76.9	C
70.0 - 72.9	C-
67.0 - 69.9	D+
63.0 - 66.9	D
60.0 - 62.9	D-
0 - 59.9	F

Academic Honesty/Integrity: The University's policies regarding academic honesty can be found at [http://www.millersville.edu/about/administration/policies/pdf/academics/Academic Policy - Academic Honesty and Dishonesty.pdf](http://www.millersville.edu/about/administration/policies/pdf/academics/Academic%20Policy%20-%20Academic%20Honesty%20and%20Dishonesty.pdf). Students should observe these policies as I will enforce them.

Special Accommodations: It is University policy to provide reasonable accommodations to students with disabilities. Please contact the Learning Services Office, 352 Lyle Hall, 717-871-5554, to discuss accommodation needs.

Title IX Reporting: Millersville University and its faculty are committed to assuring a safe and productive educational environment for all students. In order to meet this commitment, comply with Title IX of the Education Amendments of 1972, 20 U.S.C. §1681, et seq., and act in accordance with guidance from the Office for Civil Rights, the University requires faculty members to report to the University's Title IX Coordinator incidents of sexual violence shared by students. The only exceptions to the faculty member's reporting obligation are when incidents of sexual violence are communicated by a student during a classroom discussion, in a writing assignment for a class, or as part of a University-approved research project. Faculty members are obligated to report to the person designated in the University Protection of Minors policy incidents of sexual violence or any other abuse of a student who was, or is, a child (a person under 18 years of age) when the abuse allegedly occurred. Information regarding the reporting of sexual violence, and the resources that are available to victims of sexual violence, is available at <http://www.millersville.edu/social/eq/title-ix-sexual-misconduct/index.php>.