

Washington University - St. Louis
Spring 2019
Math 5022 - Complex Analysis II
Lecture: Room: Cupples I, 207 - Time: TTH 11:30am–1:00pm

Instructor: Brett D. Wick Office: Cupples I 212
Office Phone: 314-935-6765 Office Hours: TTH 10:30am – 11:30am
Email: wick@math.wustl.edu or by appointment
Webpage: <http://www.math.wustl.edu/~wick/teaching/math5022.S2019.html>

Text: There will be no assigned text for the course. We will sample topics from the following texts:

“Bounded Analytic Functions” by John B. Garnett.

“Several Complex Variables” by Steven G. Krantz.

“Riemann Surfaces by Way of Complex Analytic Geometry” by Dror Varolin.

Additional material will be taken from other sources such as books or papers.

Prerequisite and Description: Math 5022 is the continuation of Math 5021. It serves as a topics course in complex analysis and will cover topics in Riemann surfaces, several complex variables, and function theory of a complex variable.

Prerequisites for the course are Math 5021, Math 4111, 4171, and 4181, or permission of the instructor.

Attendance: Attendance is required for all lectures. The student who misses a class meeting is responsible for any assignments and/or announcements made. Office hours will not be utilized to re-teach material presented in class. However, questions to better understand the course are always welcome.

In the event of an absence that will impact your ability to complete your assignments due to travel representing Washington University - St. Louis, you must notify the professor at least two weeks in advance to arrange an early test or other alternative. Otherwise, such absences will be treated as personal.

Homework: This course will have weekly homework assignments. Homework will be collected and graded.

Exams: This course will have two mid-term exams and a comprehensive final exam. The mid-term exams will be take home, while the final exam will be in class. The exams for the course will take place on:

Exam Dates:

Exam 1 February 14, 2019 (tentative)
Exam 2 March 21, 2019 (tentative)
Final Exam Tuesday, May 6, 2019 1:00pm - 3:00pm

Learning Disabilities: It is the right of any student with a certified learning disability to request necessary accommodation. Such requests must be made well in advance of the time that the accommodation is required and a letter of documentation from the **CornerStone** office must be presented at the time of any request.

Academic Honesty: It is expected that all students are aware of their individual responsibilities under the **WUSTL Academic Integrity Policy**, which will be strictly adhered to in this class. **Any violations must be reported directly to the Dean of Students.**

Grades: The usual ten-point scale will be used (A: 90-100, B: 80-89, C: 70-79, D: 60-69, F: 0-59), however, if necessary, adjustments will be made to arrive at a standard grade distribution. Grades will be based upon attendance, participation, homework, and exams.

Attendance/Participation	10%
Homework	20%
Midterm Exam	40%
Final Exam	30%

Important Dates for Spring 2019:

January 14 First day of classes
January 21 MLK Day - No Class
March 11 - 15 Spring Break - No Class
April 26 Last day of classes