

Math 712 - Functions of a complex variable I - Spring 2016

Course Instructor. Loredana Lanzani, CARN 313G, llanzani@syr.edu.

Class Time and Venue. MW, 2:15-3:35, CARN 219.

Office Hours. M, 4:00-5:00pm (after class); W, 1:00-2:00pm (before class).

Course Description. Essentially we will cover as much as possible in the first 12 chapters of the textbook: Analytic Functions, Harmonic Functions, theory of the Cauchy integral, Power series; Laurent series and classification of singularities, argument principle, Schwartz Lemma, Reflection principle, theorems of Montel and Picard.

Text. *Complex Analysis*, by T. Gamelin, 2nd edition, Springer-Verlag, New York, Inc. 2001.

Exams and course grade. The course grade will be based on a take-home midterm exam (30%), a final exam (50%) (**dates and venues tba**), and homework problems (20%). There will be no make-up exams and late homework will not be accepted. All exams are closed books and closed notes. The final exam is comprehensive.

Homework. Solving the homework problems is **crucial** for succeeding in this course. Assignments will be collected about once a week, as announced in class. It is important that after each class you read and understand the material covered from the textbook and your notes.

Attendance. Attendance is required. Students are responsible for all the announcements made in class (about exams, assignments, due dates, changes of schedule, etc). If you miss a class, you are responsible for obtaining notes for that class from a student who attended.

Students with disabilities. If you believe that you need accommodations for a disability, please contact the Office of Disability Services(ODS), <http://disabilityservices.syr.edu>, located in Room 309 of 804 University Avenue, or call (315) 443-4498 for an appointment to discuss your needs and the process for requesting accommodations. ODS is responsible for coordinating disability-related accommodations and will issue students with documented Disabilities Accommodation Authorization Letters, as appropriate. Since accommodations may require early planning and generally are not provided retroactively, please contact ODS as soon as possible.

Religious observances policy. SU religious observances policy recognizes the diversity of faiths represented among the campus community and protects the rights of students, faculty, and staff to observe religious holidays according to their tradition. Under the policy, students are provided an opportunity to make up any examination, study, or work requirements that may be missed due to are religious observance provided they notify their instructors **before the end of the second week of classes**. An online notification process is available through MySlice (Student Services → Enrollment → My Religious Observances) from the first day of class until the end of the second week of class.

(over)

Academic Integrity. Syracuse University sets high standards for academic integrity. Those standards are supported and enforced by students, including those who serve as academic integrity hearing panel members and hearing officers. The presumptive sanction for a first offense is course failure, accompanied by the transcript notation Violation of the Academic Integrity Policy. Students should review the Office of Academic Integrity online resource [Twenty Questions and Answers About the Syracuse University Academic Integrity Policy](#) and confer with instructors about permitted collaboration and rules for examinations. The Policy also governs the veracity of signatures on attendance sheets and other verification of participation in class activities. Additional guidance for students can be found in the Office of Academic Integrity resource: [What does academic integrity mean?](#)