

# Math 671 Complex Analysis

**Instructor:** Fernando Xuancheng Shao

Email: Xuancheng dot Shao at uky dot edu

Office: Patterson Office Tower 777

Office Hours: TBD, or by appointment (if you want to set up an appointment with me, you might find my [Availability Calendar](#) useful).

**Lecture:** MWF 3:00--3:50, CB 335

## **Textbook:**

John Conway, *Functions of one complex variable I*, 2nd edition.

## **Material:**

Differentiation and integration, contour integration, poles and residues. Taylor and Laurent series, and conformal mapping.

## **Grading:**

The course grade will be computed as follows:

- 35% Homework
- 25% In-class exam
- 40% Final Exam

## **Absences:**

Senate Rules 5.2.4.2 defines the following as acceptable reasons for excused absences: (a) serious illness, (b) illness or death of family member, (c) University-related trips, (d) major religious holidays, and (e) other circumstances found to fit reasonable cause for nonattendance by the professor. As required by University rules, you must present full documentation in order to request makeup work for a valid absence. Senate Rule 5.2.4.2 states that faculty have the right to request "appropriate verification" when students claim an excused absence because of illness or death in the family. Appropriate notification of absences due to University-related trips or a

major religious holiday is required no later than 7 days prior to the absence.

### **Academic Integrity and Cheating:**

Please see the University of Kentucky Policy on Academic Integrity and Cheating [here](#).

### **Classroom Decorum:**

Code of Student Conduct (AR 4.10), Section V, Letter J, Instructional Setting Behavior: *Students who engage in conduct that results in disruption of an instructional setting may be directed by the instructor to leave the class for the remainder of the instructional setting period.*

An attitude of respect for and civility towards other students in the class and the instructor is expected at all times. If what you are doing would be inappropriate behavior during a job interview, then it is very likely inappropriate behavior in the classroom.

### **Students with Disabilities:**

If you have a documented disability that requires academic accommodations, please see your instructor as soon as possible. In order to receive accommodations in this course, you must provide your instructor with a Letter of Accommodation from the Disability Resource Center. The Disability Resource Center coordinates campus disability services available to students with disabilities. It is located on the corner of Rose Street and Huguelet Drive in the Multidisciplinary Science Building, Suite 407. You can reach them via phone at (859) 257-2754 and via email at [drc@uky.edu](mailto:drc@uky.edu). To access their web site click [here](#).