

MAT 709 Complex Function Theory I (Fall, 2009)
TR 11:30 AM – 12:45 PM, CBC C112

Instructor: Hongtao Yang

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Office Hours: TR 9:00 AM – 11:00 AM and 4:30 PM – 5:30 PM or by appointment

Text: John B. Conway, Functions of One Complex Variable, Vol. I, 2nd edition, Springer, 1978.

Course Description (I & II): Analytic functions, conformal mappings, Cauchy's theorem, power series, Laurent series, the Riemann mapping theorem, harmonic functions, subharmonic functions, canonical mappings of multiply connected regions, analytic continuation.

Prerequisite: MAT 657, MAT 659, or equivalent.

Grading Policy: Your grade will be determined by weighting the following components:

- A. Assignments at 30%.
- B. Midterm examination at 35%.
- C. Final examination at 35%.

The following is a general guide on grades, however, the scale may be changed slightly:

A: 90%–100% B⁺: 86%–89% B: 80%–85% C⁺: 76%–79%
C: 70%–75% D⁺: 66%–69% D: 60%–65% F: 0%–59%

Note: A⁻, B⁻, C⁻ and D⁻ may be given in certain cases, for example, you get 69% and attend all classes, your final grade will be C⁻ instead of D.

Assignments: To be announced in class. Late assignments will not be accepted.

Midterm Examination: To be announced in class. The make-up midterm examination will be given only if the instructor is notified before the exam. Otherwise, the weight for your final will be 35% + 35% = 70%.

Final Examination: 3:10 PM, December 8, 2009.

Class Courtesy: Please use basic common courtesy. Please mute or turn off your cell phone before class. Private conversations cannot be allowed in class.

Academic Misconduct: “Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV’s function as an educational institution.” An example of academic misconduct is plagiarism: “Using the words or ideas of another, from the internet or any source, without proper citation of the sources.” See the “Student Academic Misconduct Policy” (approved December 9, 2005, located at <http://studentlife.unlv.edu/judicial/misconductPolicy.html>).

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Tutoring: The Academic Success Center (ASC) provides tutoring and academic assistance for all UNLV students taking UNLV courses. Students are encouraged to stop by the ASC to learn more about subjects offered, tutoring times and other academic resources. The ASC is located across from the Student Services Complex, #22 on the current UNLV map. Students may learn more about tutoring services by calling (702) 895-3177 or visiting the tutoring web site at: <http://academicsuccess.unlv.edu/tutoring/>.

UNLV Writing Center: One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 895-3908. The student's Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>.