Math 410/610

**Instructor:** Jing-Jing Huang 
**Fall 2018**

**Office:** DMS 223 
**Email:** jingjingh@unr.edu

**Course Webpage:** www.unr.edu/~jingjingh/410/

**Textbook:** *Complex Analysis (Undergraduate Texts in Mathematics)* by T. Gamelin, Springer.

**Lectures:** 2:30-3:45 Monday and Wednesday, PE 103

**Office Hours:** MWF 11-12

**Prerequisite:** Math 310 (required)

**Course Coverage:** Emphasis in this course will be placed on understanding the underlying concepts rather than memorization: knowing why is the key to knowing how. We will cover mostly Chap 1-7 of the textbook. If time permits, we may also cover selected topics from Chap 8-11.

**Grading policy:** Your grade will be a function of your scores on homework, mid terms and the final. Your grade will be computed as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>15%</td>
</tr>
<tr>
<td>Mid Term I and II</td>
<td>25% each</td>
</tr>
<tr>
<td>Final Exam</td>
<td>35%</td>
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**Letter grades** will be based upon your numerical score: A: 90%, B: 80%, C: 70%, D: 60%. There will be plus/minus letter grades in borderline cases.

**Homework:** There will be weekly homework posted on the course website. Late homework will not be accepted unless prior permission is granted. No homework will be accepted after the graded ones have been returned to the student. Solving homework problems will help you to understand the key concepts and to master the skills you will need to succeed in this course. You may discuss problems with other students, but all submitted work should be your own.
**Final Exam:** The final is scheduled on Dec 19, 12:10-2:10 pm. The final exam is mandatory. There will be no early finals.

**Missed exams:** Accommodation for a missed midterm exam will only be considered for serious circumstances with documentation. At instructor discretion, *accommodation* can mean a make-up exam or replacing the percentage score of the missed exam with the percentage score from the Final Exam.

**Student Learning Outcomes:** Students will be able to work with holomorphic and harmonic functions, to demonstrate an understanding of the complex logarithm and complex roots, and to integrate complex valued functions using residues.

**Statement on Academic Dishonesty:** Cheating, plagiarism or otherwise obtaining grades under false pretenses constitute academic dishonesty according to the code of this university. Academic dishonesty will not be tolerated and penalties can include canceling a student's enrollment without a grade, giving an F for the course or for the assignment. For more details, see the [UNR General Catalog](#).

**Statement of Disability Services:** Any student with a disability needing academic adjustments or accommodations is requested to speak with me or the Disability Resource Center (Thompson Building, Suite 101) as soon as possible to arrange for appropriate accommodations.

**Statement for Academic Success Services:** Your student fees cover usage of the Math Center (784-443 or [www.unr.edu/mathcenter](http://www.unr.edu/mathcenter)), Tutoring Center (784-6801 or [www.unr.edu/tutoring](http://www.unr.edu/tutoring)), and Writing Center (784-6030 or [www.unr.edu/writing-center](http://www.unr.edu/writing-center)). These centers support your classroom learning.

**Note:** Surreptitious or covert videotaping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.