

**SPRING 2008**  
**Elementary Complex Analysis; MAT 459/659; 3 Credits**  
**Prerequisite: MAT 251, 283**

Instructor: E. Salehi; Ph D. in mathematics from the University of Washington (1985)  
Office: CBC B-515 Phone: 895-0390  
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Text Books:  
(Required) A First Course in Complex Analysis with Applications, Zill/Shanahan;  
Recommended: Complex Variables and Applications, Churchill/Brown;  
Recommended: Complex Analysis, Theodore W. Gamelin;  
Recommended: Complex Analysis for Mathematics and Engineering, Mathews/Howell.

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**TOPICS TO BE DISCUSSED:** Complex numbers, complex functions, analytic and harmonic functions, complex integration, Taylor and Laurent series, residue theory, conformal mapping, and applications.

**HOMEWORK:** Homework will be assigned at each class meeting, due the following class meeting. All work must be shown to receive any credit.

**TEST AND GRADING POLICY;** There will be three (50-minutes) tests and a two-hour final.

Homework assignments	100 points
First test on Wednesday February 13, 2008	100 points
Second test on Wednesday March 26, 2008	100 points
Third test on Wednesday April 30, 2008	100 points
Final exam on Monday May 12, 2008 (at 1:00 pm)	200 points
Total possible points	600

90% and higher receives A- and A.  
80% - 90% receives B- , B, and B+.  
70% - 80% receives C- , C, and C+.  
60% - 70% receives D- , D, and D+.  
Below 60% of total will receive F.

**IMPORTANT:**

1. No late homework will be accepted. No make up test will be given.
2. Final date to drop or withdraw from classes, or change from credit to audit is April 4, 2008, no drop will be allowed after this date.
3. Learning Enhancement Services (LES) houses Disability Services, Tutoring Services, and Learning Strategies. If you have a documented disability that may require assistance, you will need to contact Disability Services for coordination in your academic accommodations. LES is located in the Reynolds Student Services Complex (SSC), Room 137. The phone is 895-0866, or 895-0652.