Math 207
January 2009
Instructor: Professor Maria Schonbek
Book: Complex Variables. Stein and Shakarchi.
Office Hours: T: 12am -1pm, Th 2pm-3pm Th 4-5pm.

Grading procedures
Homework 10 %
Midterm 40 %
Final 50 %.
No late homeworks accepted.

Midterm date: Jan 29 2009
Final date: Thursday, March 19 7:3010:30 P.M.

Syllabus
This Syllabus gives a general idea of the progress of the class. There will be variations depending on how fast certain topics are understood .

- Holomorphic and Harmonic Functions.

- Cauchy Integral theorem and applications.

- Meromorphic Functions.

- Maximum Principle.

- Infinite products.

- Gamma and Zeta functions.

- Conformal mappings.

- Riemann Mapping Theorem