COMPLEX ANALYSIS
MA 445/545-OP SUMMER 2013

DEPARTMENT OF MATHEMATICS
UNIVERSITY OF ALABAMA AT BIRMINGHAM

Instructor information.
Instructor: Dr. Junfang Li
Office: CH 491
Phone#: (205) 934-2154
E-mail: jfli@uab.edu
Office Hours: Tuesday, 9:30am-11:30am (or by appointment)

Course information.
Meeting times: MWF 09:40am-11:00am.
Meeting location: CH 402
Prerequisite: MA-227 or EGR-265 with a C or better.

Assignments. Weekly graded assignments; these will make up 30% of your grade.

Tests. Mid-Term Exam (1 class period; 30% of grade);
Final Exam (2.5 hours; 40% of grade). Some questions of the exams will be for MA 545 students only.
Final exam: TBA.

Syllabus. Review of complex numbers and infinite series, analytic functions, complex integration and Cauchys theorem, Taylor and Laurent series, calculus of residues and applications, conformal mappings.