

UNIVERSITY OF CENTRAL FLORIDA
Department of Mathematics

Fall 2017

Course: MAA 6405.0001, Complex Variables
Credit: 3 hours **PR:** MAA 5228 or C.I.
Class Meets: BA1 0205, MW, 3:30-4:50 pm
Instructor: Alexander Tovbis
Office: MSB 323 **Office Phone:** 823-3273
Office Hours: TBA
Textbooks: Classical Complex Analysis by Hahn and Epstein, 1996;
SCHAUM's outline of Complex Variables, by M.R. Spiegel, 1999
(for problems)
Tests: There will be two tests (in classroom and, possibly, take home)
and the final. Tentative schedule for the exams is:
Test 1 - Sep 30 Test 2 - Nov 8
Any changes in these dates will be announced
in the class at least two weeks in advance.
Grading: Tests are 100 pts each, the final is 200 pts, another 100 pts
come from quizzes and/or home work; 25% of your quizzes/home work
with the lowest scores will be dropped.
Grade scale: 90% - 100% A 80% - 90% B
70%- 80% C 60% - 70% D
below 60% F

Course Description: This is a first graduate course in the Complex Variables/Complex Analysis sequence, one of the core courses of our graduate program. It is a proof based course, designed primarily for graduate students in our department. The candidacy examination on "Complex Variables/Complex Analysis" is correlated with this course. The instructor plans to cover the following topics:

Complex numbers, analytic and harmonic functions, Cauchy's theorem and integral formula, Laurent series, singularities and the residue theorem, maximal modulus principle, some additional topic if time permits.

Course Policy and Important Dates:

Tests are comprehensive. There are credits for partially solved problems

but there is no curving. "+" and "-" grades will be assigned in the borderline cases. There are no make-up tests. In the case of a legitimate excuse (to be determined by the instructor) scores for the missed test will be substituted by the score coming from the final. Graded tests are to be retained until the end of the course. Quizzes will be given at the instructor's discretion. Please inform the instructor in advance if you need to leave the class early or if you are expecting to be late. Important dates: withdrawal deadline - 10/30; last day of class - 12/02; final exam - 12/4, 4:00-6:50pm. University Holidays: 09/04, 11/10 and 11/23-11/25.