

December 10, 2015

**MATH 246B - Winter 2016- Complex Analysis**

**Time and Place:** MS 6627, MWF 10:00.

**Office hours:** John Garnett MW 2:00 and by appointment, in MS 7941.

**Texts:**

- 1) D. E. Marshall, Complex Analysis, notes from me via email.
- 2) L. Ahlfors, Complex Analysis, 3rd. Edition, (0-07-000657-1) (recommended)
- 3) D. Sarason, Complex Function Theory, 2nd. Edition, American Mathematical Society, 2007 (0-8218-4428-8) (recommended)
- 4) W. Rudin, Real and Complex Analysis, Third Editon, (0070542341) (recommended)

**Grades:** Homework 50%, final 50%.

**Prerequisites:** 246A or instructor's permission.

**Material:** Pages 154 - 258 of Marshall's notes, plus other topics, including univalent functions, Koebe's distortion theorem, Poisson-Jensen formula and Mergelyan's theorem.

**Work:** There will be 6 - 8 homework assignments of about 10 problems. You are encouraged to work together on the homework problems, but you must write up your solutions separately.

**Final Exam:** March 18, 3:00 - 6:00.

J. Garnett