

March 7, 2016

MATH 246C - Spring 2016- Complex Analysis

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

Office hours: John Garnett MWF 1:00 and by appointment, in MS 7941.

Prerequisites: Some version of 246AB or instructor's permission.

Material: Riemann Surfaces and further topics. We will give Marshall's world's best proof of the Uniformization Theorem from his forthcoming book Complex Analysis, Chapters XIV - XVI, and other sources. Familiarity with Chapters I - XIII of the book is not required.

Grades: There will be three homework assignments, but no exams.

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) L. Ahlfors, Conformal Invariants, ISBN-10: 0-8218-5270-1 ISBN-13: 978-0-8218-5270-5.

J. Garnett