Mathematics 565 Winter 2009

Instructor: John Palmieri, Padelford C-538, 543-1785, palmieri@math.washington.edu

Class time and place: MWF 2:30 (missing occasional Fridays), Padelford C-401

Office hours: drop in and by appointment

Web page: http://www.math.washington.edu/~palmieri/Math565/ or http://faculty.washington.edu/jpalmier/Math565/

Text book: *Algebraic Topology* by Allen Hatcher, with strong influences from *Elements of Algebraic Topology* by James R. Munkres, and perhaps other sources. Hatcher's book is available for free download from his web page, http://www.math.cornell.edu/~hatcher/AT/ATpage.html. The book store (and Amazon, etc.) should have bound copies for sale, too. Whether you have a bound or downloaded copy, check Hatcher's web page for a list of corrections.

Homework. There will be occasional problem sets. Feel free to work with other people on the homework. If you find a solution in a book, please provide a reference.

Grading: To get a 4.0, attend class regularly and make a reasonable attempt on half of the homework problems. To get a grade in the range 3.6–3.9, do less than that. If you never show up and do very little homework, I might have to give you a lower grade than that.

Plan for the course. We are going to continue with the main part of Chapter 3, cup products and Poincaré duality, then discuss some of the appendices to that chapter, and then probably move on to Chapter 4, homotopy theory.