

Penn State  
Fall 2008

## Topology (MATH 527)

**Instructor:** Mathieu Stienon  
stienon@math.psu.edu  
338 McAllister Building  
<http://www.math.psu.edu/stienon>

**Space-Time Coordinates:** M W F, 2:30P - 3:20P, 113 Osmond

### Contents:

#### 1. Set Theoretical Topology

- Textbook: “A Taste of Topology” by Volker Runde (Springer Universitext)
- *available as an electronic resource at the Penn State Libraries*
- chapter 3 and beyond

#### 2. Algebraic Topology

- Textbook: “Algebraic Topology” by Allen Hatcher (Cambridge University Press)
- *available for download from the author’s Cornell webpage*
- first chapters

### Evaluation:

- 50% = Weekly Homework Assignments (always due on Monday)
- 25% = Mid-Term Exam (covering Set Theoretical Topology)
- 25% = Final Exam (covering Algebraic Topology exclusively)