

## Math 8230 Syllabus

### 1. COURSE INFORMATION

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Class: Boyd 326, 11am-12:15pm T-R  
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### 2. COURSE SCHEDULE

Topics	Sections	Weeks
Background	1-3	2
Stiefel-Whitney Classes	4-8	4
Applications of S/W Classes	9-13	4
Chern and Pontrjagin Classes	14-18	4
Applications of C/P Classes	20	1
Differential Geometry: Integrating to get Chern Classes		1

### 3. GRADING AND POLICIES

This is an advanced graduate course, so the grading will be based on homework and a final project:

- (1) 70% for homework.
- (2) 20% for the final project.
- (3) 10% for class participation.

### 4. ATTENDANCE POLICY

The University requires that students attend classes, and warns students that they may be withdrawn from any class by the instructor with a grade of "WF" if they miss more than 4 classes.

### 5. DISCLAIMER

"The syllabus is a general course plan, but deviations may become necessary over the course of the semester."