This course covers fluid dynamics as applied to the earth’s fluid envelope. The text is Fundamentals of Geophysical Fluid Dynamics, by Jim McWilliams.

Below is a rough schedule. See the book for corresponding topics.

**Week 1**  Chapter 1, Section 2.1

**Week 2**  Sections 2.2, 2.3

**Week 3**  Sections 2.4, 3.1

**Week 4**  Sections 3.2, 3.3

**Week 5**  Sections 3.4-3.7

**Week 6**  Sections 4.1, 4.2

**Week 7**  Section 4.3, 4.4

**Week 8**  Section 4.5-4.8

**Week 9**  Section 5.1, 5.2

**Week 10**  Sections 5.3, 5.4

**Grading**
There will be five homework assignments and a final exam. Homework is worth 70% of the grade (14% for each assignment), and the final exam is worth 30%.
Homework is assigned one week in advance of its due date.