**AS200B** Introduction to the Dynamics of the Earth System
Fall 2013
Prof. Alex Hall ([alexhall@atmos.ucla.edu](mailto:alexhall@atmos.ucla.edu))

**Monday 9/30** Lecture 1: Introduction to the Earth System (Hartmann, 1)
**Wednesday 10/2** Lecture 1 (cont.)

**Monday 10/7** Lecture 2: Planetary Energy Balance (Hartmann, 2)
**Wednesday 10/9** Lecture 3: Radiation, Clouds, and Convection (Hartmann, 3)

**Monday 10/14** Lecture 4: Surface Processes (Hartmann, 4)
**Wednesday 10/16** Lecture 5: Atmospheric Circulation (Hartmann, 6)

**Monday 10/21** Lecture 5: Atmospheric Circulation (cont)
**Wednesday 10/23** No class

**Monday 10/28** Lecture 6: The Hydrologic Cycle (Hartmann, 5)
**Wednesday 10/30** Lecture 7: Ocean Circulation (Hartmann, 7)

**Monday 11/4** Lecture 8: ENSO
**Wednesday 11/6** Midterm exam

**Monday 11/11** No class (Veteran's Day)
**Wednesday 11/13** Lecture 9: Paleoclimate (Hartmann, 8)

**Monday 11/18** Lecture 10: Climate Sensitivity (Hartmann, 9)
**Wednesday 11/20** Lecture 11: Observed Climate Change (Hartmann, 11)

**Monday 11/25** Lecture 11 (cont)
**Wednesday 11/27** Lecture 12: The Carbon Cycle

**Monday 12/2** Lecture 13: Climate and Climate Change Modeling (Hartmann, 10)
**Wednesday 12/4** Lecture 13 (cont)

**Friday 12/13, 8:00am** Exam

**Grading**
Midterm, 35%
Final exam, 55%
Homework (roughly 4 assignments graded on a P/F basis) 10%