AS200B Introduction to the Dynamics of the Earth System

Monday 9/29 Introduction
Wednesday 10/1 Atmospheric Structure and Radiation. (Ahrens, Chapters 1 and 2)

Monday 10/6 Temperature and Moisture. (Ahrens, Chapters 3 and 5)
Wednesday 10/8 Clouds (Ahrens, Chapters 6 and 7)

Monday 10/13 Precipitation, Forces (Ahrens, Chapters 8 and 9), Homework #1 due
Wednesday 10/15 Winds (Ahrens, Chapters 10 and 11)

Monday 10/20 Weather Systems (Ahrens, Chapters 12 and 13)
Wednesday 10/22 Thunderstorms and Tornadoes (Ahrens, Chapter 15)

Monday 10/27 no class, Homework #2 due
Wednesday 10/29 More Atmospheric Phenomena (Ahrens, Chapters 16 and 17)

Monday 11/3 Ocean Currents (Ocean Circulation, Chapter 3)
Wednesday 11/5 North Atlantic Gyre (Ocean Circulation, Chapter 4)

Monday 11/10 Other major ocean current systems (Ocean Circulation, Chapter 5)
Wednesday 11/12 Global fluxes and the deep circulation (Ocean Circulation, Chapter 6)

Monday 11/17 Global fluxes, deep circulation (Ocean Circulation, Chapter 6, cont.)
Wednesday 11/19 Homework #3 due, Climate (Ahrens Chapters 18 and 19)

Monday 11/24 Orbital Climate Variability (Cronin, Chapter 4)
Wednesday 11/26 Millennial Climate Variability (Cronin, Chapter 5)

Monday 12/1 Internal Climate Variability (Rasmussen, section 4)
Wednesday 12/3 Climate Change (IPCC 2001 report tech. summary) Homework #4 due

Grading structure:
Homework, 50% (12.5% for each assignment), class participation and attendance, 50%