

**SYLLABUS GEO 3305 FALL 2008 INSTRUCTOR: PROF. WINGUTH**  
**Version August 27, 2008**

Week	Days	Topics and Readings	Reading Chapter <sup>1)</sup>
1	Aug. 25, 27	Introduction	1
2	Aug 29 Sept 3, 5	The Earth System	2
3	Sept 8, 10, 12	Atmospheric Thermodynamics	3
4	Sept 15, 17	Radiative Transfer	4
<b>1. EXAM</b>	<b>Sept 19 9:00-9:50</b>	<b>Week 1-4</b>	<b>1-4</b>
5	Sept 22, 24, 26	Atmospheric Chemistry	5
6	Sept 29 Oct 1, 3	Cloud Microphysics	6
7	Oct 6, 8, 10	Atmospheric Dynamics	7
8	Oct 13, 15	Weather Systems I	8
<b>2. EXAM</b>	<b>Oct 17 9:00-9:50</b>	<b>Week 5-8</b>	<b>5-8</b>
9	Oct 22, 24, 26	Weather Systems II	8
10	Oct 27, 29, 31	Atmospheric Boundary Layer	9
11	Nov 3, 5, 7	Climate Dynamics I	10
12	Nov 10, 12, 14	Climate Dynamics II	10
13	Nov 17, 19, 21	Paleoclimate	2, 10, IPCC
14	Nov 24, 26	Future Climate Change	10, IPCC
	<b>Nov 28</b>	<b>Thanksgiving Break</b>	
15	Dec 1, 3, 5	Review Week	IPCC 2007
<b>FINAL EXAM</b>	<b>Dec 10 8:00-10:30</b>	<b>FINAL EXAM</b>	<b>1-10, IPCC 2007</b>

- 1) Note Text: "Atmospheric Science".
- 2) Complementary reading: IPCC 2007