

DESCRIPTION: This is a non-technical and descriptive discussion of the fundamentals and principles of atmospheric processes. It is part of Topical Cluster (CL1) ILSN Natural Science requirements in UNCA Integrative Liberal Studies.

INSTRUCTOR: **Dr. Huo-Jin (Alex) Huang**, RBH 236B, Dept. of Atmospheric Sciences, UNCA
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 Office Hours: M W 11:45-12:15 am; T R 10:45-11:30 am; 1 – 1:30 pm
 (Or by appointment, but walk-in is always welcome)

TEXT: **The Atmosphere (10th edition, 2007) by F. K. Lutgens and E. J. Tarbuck.**

SCHEDULE: 9:25 - 10:40 am, Tuesday, Thursday, RBH 217.

EXAMS: 1st Test: 9/16; 2nd Test: 10/21; 3rd Test: 11/13; Final Exam: 8-10:30 am, 12/16/2008.

GRADING: **Quizzes: 25%, 3 Tests: 45%, classroom participation: 5%, and Final Exam: 25%.**

GRADE SCALE (100%): A \geq 93; A-: 92.5-90; B+: 89.5-87; B: 86.5-83; B-: 82.5-80;
 C+: 79.5-77; C: 76.5-73; C-: 72.5-70; D+: 69.5-67; D: 66.5-60 F: \leq 59.5.

SPECIAL REMARKS: Class attendance is strongly recommended. You are solely responsible for the consequences due to your absence. No make-up quizzes/tests will be given. Exception may be granted for uncontrollable circumstances and medical reasons. You have to consult with the instructor at your earliest convenience for exceptions. A significant reduction of your score on your late/make-up quizzes may be applied. You will receive an F for the semester if you miss more than 8 class periods without any justifiable and excusable reasons.

Academic honesty is expected and enforced.

Respect & Responsibility

NOTE: This syllabus is subject to any reasonable modifications by the instructor with the consent of students.

COURSE OUTLINE (29 Lecture Periods)

WEEK	DATES	SUBJECT	Chapter
1	8/19, 8/21	Introduction to the Atmosphere	1
2	8/26, 8/28	Heating Earth's Surface and Atmosphere	2
3	9/1	Labor Day, NO CLASS	
3	9/2	Global Warming	14
3	9/4	Hurricanes	11
4	9/9	UNCA ACT Day, Freshmen excused from classes	
4	9/11	Hurricanes	11
5	9/16	1st Test, Global Circulation	7
5	9/18	Instructor attending a conference, NO CLASS	
6	9/23, 9/25	Temperature	3
7	9/30, 10/2	Moisture and Stability	4
8	10/7, 10/9	Forms of Condensation and Precipitation	5
8, 9	10/11-10/14	FALL BREAK	
9	10/16	Forms of Condensation and Precipitation	5
10	10/21	2nd Test, Air Pressure and Winds	6
10, 11	10/23, 10/28, 10/30	Air Pressure and Winds	6
12	11/4	Air Masses	8
12	11/6	Weather Patterns	9
13	11/11	Weather Analysis and Forecasting	12
13	11/13	3rd Test, Thunderstorms and Tornadoes	10
14	11/18, 11/20	Thunderstorms and Tornadoes	10
15	11/25	World Climates	15
15	11/26-11/30	Thanksgiving Holidays	
16	12/2, 12/4	Global Climate Change	14
16	12/9	Reading day, NO CLASS	
17	12/16	Final Exam, 8-10:30 am, Tuesday	

