ATMS 103.2 INTRODUCTION TO METEOROLOGY Fall 2006

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.

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Office Hours: M W F 11:30-12 pm; T R 1-1:30 pm
(Or by appointment, but walk-in is always welcome)

TEXT: **Introduction to Meteorology Handout** by Dr. Alex Huang (2006).

SCHEDULE: 12:45 –1:35 pm, Monday, Wednesday, Friday, RBH 239**.**
EXAMS: 1st Test: 9/22; 2nd Test: 10/25; 3rd Test: 11/17; Final Exam: 11:30 am, 12/8/2006.

GRADING: **Quizzes: 25%, 3 Tests: 50%, and Final Exam: 25%.**

GRADE SCALE (100%): A ≥ 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: ≤ 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.

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

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COURSE OUTLINE

Week	Dates	Subject	Chapter
1	8/21, 8/23	Introduction	1
1, 2	8/25, 8/28, 8/30	Hurricanes	17
2	9/1	Thunderstorms	18
3	**9/4**	**Labor Day, no lass**	
3	9/6, 9/8	Atmosphere	2
4	9/11, 9/13, 9/15	Energy	3
5	9/18	Global Warming	3
5	9/20	Global Circulation	4
5	**9/22**	**1st Test**, Temperature	4
6	9/25	Temperature	5
6, 7	9/27, 9/29, 10/2	Moisture	6
7	10/4, 10/6	Stability	7
8	**10/7-10/10**	**Fall Break**	
8, 9	10/11, 10/13, 10/16	Condensation	8
9	10/18, 10/20	Precipitation	9
10	10/23	Pressure	10
10	**10/25**	**2nd Test,** Pressure	10
10, 11	10/27, 10/30	Wind	11
11	11/1, 11/3	Air Masses	12
12	11/6, 11/8	Synoptic-scale Weather	13
12, 13	11/10, 11/13	Surface (MSLP) Map Analysis	14
13	11/15	Upper Level Flow	15
13	**11/17**	**3rd Test**, Weather Forecasting	16
14	11/20	Hurricanes	17
14	**11/22-11/26**	**Thanksgiving Holidays**	
15	11/27, 11/29	Thunderstorms, Tornadoes	18, 19
15, 16	12/1, 12/4	Global Climate Changes	20
16	**12/5**	**Reading day**	
17	**12/8**	**11:30 - 2 pm, Final Exam**	