ATMS 103.1 INTRODUCTION TO METEOROLOGY Spring 2007

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 9:45-10:15 pm; Monday 1:30 – 2 pm, Wednesday 2:30 – 3 pm
(Or by appointment, but walk-in is always welcome)

TEXT: **Introduction to Meteorology Handout** by Dr. Alex Huang (2007).

SCHEDULE: 10:25 –11:15 pm, Monday, Wednesday, Friday, RBH 239**.**
EXAMS: 1st Test: 2/12; 2nd Test: 3/14; 3rd Test: 4/11; Final Exam: 8-10:30 am, 5/9/2007.

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.
Respect & Responsibility

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	1/17, 1/19	Introduction	1
1, 2	1/22, 1/24, 1/26	Atmosphere	2
2, 3	1/29, 1/31, 2/2, 2/5	Energy	3
4	2/7	Global Warming	3
4	2/9	Global Circulation	4
4	**2/12**	**1st Test**, Global Circulation	4
5	2/14, 2/16	Temperature	5
5, 6	2/19, 2/21, 2/23	Moisture	6
6, 7	2/26, 2/28, 3/2	Stability	7
7, 8	**3/3-3/11**	**Spring Break**	
8	3/12	Condensation	8
9	**3/14**	**2nd Test**, Condensation	8
9	3/16	Precipitation	9
9, 10	3/19, 3/21	Pressure	10
10, 11	3/23, 3/26, 3/28	Wind	11
11	3/30	Air Masses	12
11	4/2	Synoptic-scale Weather	13
12	4/4	Surface (MSLP) Map Analysis	14
12	4/6, 4/9	Upper Level Flow	15
13	**4/11**	**3rd Test**, Weather Forecasting	16
13	4/13, 4/16	Hurricanes	17
14	4/18, 4/20	Thunderstorms	18
14, 15	4/23, 4/25	Tornadoes	19
15	4/28, 4/30	Global Climate Change	20
16	5/2, 5/3	Reading days	
17	**5/9**	**8:00 – 10:30 am, Final Exam**	