

# METEOROLOGY I COURSE OUTLINE

**TEXT:** Lutgens & Tarbuck, The Atmosphere, Prentice Hall, 8th Edition

<b>Class Session Number</b>	<b>LECTURE SUBJECT</b>	<b>READING ASSIGNMENT</b>
1.	Clouds and Cloud Types	pp. 120-128
2.	Weather Elements and Soundings	pp. 4, 14-23
3-4.	Instrumentation & Weather Elements Theory	Lect., pp.73-78, 98-101, 143-146, 158-163, 178-181, 335-339
5.	Atmospheric Structure - The Standard Atmosphere	Chapter 1, p. 20 Fig. 1-19,p.163
6.	Lapse Rates	Lecture, and pp. 359-362
7.	Earth-Sun Relationships	Chapter 2, p. 27-35
8.	Incoming Solar Radiation	Chapter 2, p. 35-54, 67
9.	Outgoing Radiation - Energy Balance	
<b>End of Material for FIRST EXAM</b>		
10.	Kinetic Model and Gas Laws	p. 161-162, P. 465-66
<b>11. FIRST EXAM</b>		
12.	General Circulation	Chapter 6- 7 (pp. 192-197)
13.	Coriolis Effect, Gradient, and Geostrophic Winds, Jet Streams	Chapter 6 - 7
14.	Specific Heat	Lecture
15-16.	Secondary and Tertiary Wind Motion	Chapter 7 (pp. 187-192), p.197-199
17.	Water in the Air, Change of State, Latent Heat	Chapter 4
18.	Relative Humidity	pp.92-96
<b>End of Material for SECOND EXAM</b>		
19.	Lapse Rates - Stability	pp. 107-113
<b>20. SECOND EXAM</b>		
21.	Ice and Water in Clouds - Precipitation	Chapter 5
22.	Air Masses	Chapter 8
23-24.	The Wave Cyclone	Chapter 9
25-26.	Thunderstorms, Electricity, Hail	Chapter 10
27-28.	Tropical Disturbances	Chapter 11
29.	Tornadoes	Chapter 10
<b>FINAL EXAM (See Schedule of Classes for date and Time)</b>		

# INFORMATION

**In order to receive a grade of completion in Meteorology 1 you must take each of the three examinations.**

There will be two hourly examinations and a **non**-comprehensive final. The final will be given at the time and date listed in the schedule of classes, please - no exceptions, you have 17 weeks to arrange your schedule to conform with the final exam date which is published in the schedule of classes. Hourly tests will be given during the normal class period when lecture material is completed to the point listed below. You may make prior arrangements to re-schedule a test for a good reason without penalty. Each exam has a machine scored portion. You are asked to bring #2 pencils and a Parscore Form(8 1/2" X 11" **orange** in color, available at the bookstore) to each exam.

Exam study sessions may be set. (on a voluntary basis) Study sessions will be held at a seminar room in the library. Times and dates will be arranged in class.

**Most of the examination material comes from the lecture sessions. Pre tests are available on your web site at: <http://www.cabrillo.cc.ca.us/divisions/socsci/metgeo/index.html>**

## **Grades:**

a) You may take this course on a credit/no credit basis or a letter grade. A letter grade will be assigned unless you request a **CR/NCR** option by the end of the third week of school.

b) Withdrawals (**W**) cannot and will not be granted to any student who is enrolled in the class after 75% of the semester is completed. If you have not personally and in writing requested a **W** prior to the last drop date you will receive a letter grade, an incomplete, or a "**NCR**" on your final grade report. See c) below.

Mr. Balogh does not have the authority to make exceptions to the above policies.

c) Two missing grades at the end of the semester will result in a grade of "**NCR**"(no credit). If you miss the final examination (only) you will receive an **INCOMPLETE** and will have one year to make up the work. If you do not make up the assignment the incomplete grade will be automatically changed into a grade of "**NCR**"(no credit) after one year. **IT IS YOUR RESPONSIBILITY TO DROP A COURSE IF YOU STOP ATTENDING.**

## **ATTENDANCE:**

A roll sheet will be passed around at most class sessions. You are asked to initial after your name. The initial means that you are in attendance and that you have received handouts (*like this one*). You are not required to be at each class, but you are responsible for the lecture material presented. Mr. Balogh tapes the lectures. These audio tapes (C-90 Cassettes) are in the Library and available to you if you miss a lecture or wish to hear it again. You may listen to a lecture in the Library or you may have a tape duplicated for home listening for a fee. You are expected to obtain any missed handouts from Mr. Balogh. Excessive absences (more than 4 class hours) may result in an administrative withdrawal at the instructor's option. If you are ill or are away from class for more than one week, let Mr. Balogh know immediately after your return.