

Geography 103 – Introduction to Weather & Climate
Spring 2002 Office Hours: 13:00-14:30 Mondays/Wednesdays, or by appointment
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This lower division earth science course fulfills section “B” of graduation requirements: a science requirement.

TEXT: Lutgens, Frederick The Atmosphere: An Introduction to Meteorology, 8th Ed.

This earth science course reviews atmospheric phenomena, the causes of weather, global climatic changes and the human/environment interaction processes-its impact on the atmosphere

Course Requirements: 3 midterms @ 50 pts each; 1 video assignment @ 20 pts; 4 homework assignments = 50 pts. total; FINAL EXAM = 75 pts. (not comprehensive). Tests will include multiple choice, fill-ins, short essay format

PLEASE NOTE: DEDUCTIONS WILL BE TAKEN ON LATE HOMEWORK ASSIGNMENTS

Grade Scale:	100 – 90% A	74 – 65% C
	89 – 88% A-	64 – 62% C-
	87 - 85% B+	61 – 59% D+
	84 – 80% B	58 – 50% D
	79 – 78% B-	49 – 47% D-
	77 – 75% C+	

Schedule	Text Readings
1st week Introduction – Characteristics & Structure of Atmosphere	Ch. 1
2nd week “Hole in Ozone Layer”/Introduce Hydrologic Cycle	pp. 12-14, 87-89
3rd week Earth/Sun Relationship/Global Heat Budget	Chs. 2, 3
4th week Air Pressure and Wind Patterns	Ch. 6
5th week EXAM I – February 27 /Local Wind Systems	
6th week Global Circulation Systems/”El Niño Event”	Ch. 7
7th week Measurement of Humidity/Condensation Process	Chs. 4, 5
8th week Precipitation Forms/ EXAM II – March 20	
9th week Air Masses & Their Distribution	Ch. 8
10th week Frontal Systems/Mid Latitude Cyclonic Activity/Severe Weather	Chs. 9, 10
11th week Tornadoes/Hurricanes/ EXAM III-April 17	Ch. 11
12th week Weather Forecasting	Ch. 12
13th week Air Quality and Pollution	Ch. 13
14th week Global Climate Classification System	Ch. 15
15th week World Climatic Changes	Ch. 14
16th week FINAL EXAM May 20th 12:45-14:45	

