

ATMS 420-001: APPLIED CLIMATOLOGY

FALL SEMESTER, 2006: M & W. , 09:00 – 10:15 AM, ROBINSON HALL 238

<u>DATE</u>	<u>TOPICS</u>
/AUG 21	Exercise # 1 & Course Introduction
AUG 23/AUG 28	Exercise # 2:
AUG 30/	Exercise # 3:
/SEP 04	Labor Day Holiday
SEP 06/SEP 11	Exercise # 4:
SEP 13/SEP 18	Exercise # 5:
SEP 20/SEP 25	Exercise # 6:
SEP 27/OCT 02	PowerPoint Presentations #1
OCT 4	EXAM #1 (TAKE HOME): Due Oct 11, 2006
	<<< FALL Break: Oct 9 – Oct 10 >>>
OCT 11/OCT 16	Exercise # 7:
OCT 18/OCT 23	Exercise # 8:
OCT 25/OCT 30	Exercise # 9:
NOV 01/NOV 06	Exercise #10:
NOV 08/NOV 13	Exercise #11:
NOV 15/NOV 20	Exercise #12:
	<<< Thanksgiving Holiday: Nov.22-Nov.26 >>>
/NOV 27	PowerPoint Presentations #2
NOV 29/	“ “ “
DEC 04/	FINAL EXAM (TAKE HOME DUE DEC 11, 2006)

INSTRUCTOR: FRANK T. QUINLAN (Office: RBH 234)
 TELEPHONE: 253-4552 (Home)
 email: fquinlan@unca.edu
 OFFICE HOURS: M & W, 10:15am - 11:45pm

<u>GRADING</u>	<u>LETTER GRADES ASSIGNED AS FOLLOWS</u>		
EXERCISE AVERAGE	= 70%	A = 93 +	C+ = 77-79
PRESENTATION #1	= 5%	A- = 90-92	C = 73-76
EXAM #1	= 10%	B+ = 87-89	C- = 70-72
PRESENTATION #2	= 5%	B = 83-86	D+ = 67-69
FINAL EXAM	= 10%	B- = 80-82	D = 60-66
			F = < 60

COURSE OBJECTIVE: Climate is both a resource and a risk. It is a resource in that we can take advantage of favorable climate conditions in virtually all of our activities, from recreation to building dams. It is a risk in that we are subject to adverse conditions and events such as floods, severe storms, droughts and heat waves. Although we cannot control climate as we can other resources and risks, we can nevertheless manage our activities to maximize the benefits and minimize its costs, despite uncertainties. The objective of this course is to examine a variety of techniques for describing climate and providing climatological data in useful and meaningful ways and to determine the benefits that accrue through the prudent use of climatological information..

PowerPoint Presentation #1: Presentation of 10 or 15 slides that you consider best describe the current state of the global temperature climate & puts the recent warming (last two decades) in perspective.

PowerPoint Presentation #2: Presentation of 10 or 15 slides that presents your winter of 1889/90 temperature time series and a few maps and/or facts about the climate of that winter.

Note: You must get approval for your location from Instructor.