

Course Schedule - Fall 2005

Atmospheric Sciences

501 ***Mesoscale Meteorology*** Credit: 4 hours.

(ATMOS 402) Basic concepts and ideas on atmospheric processes that occur on scales of motions from a few kilometers to a few hundred kilometers, a scale loosely classified by meteorologists as "mesoscale". After an introductory discussion of mesoscale classifications and attendant forecast problems, the course will introduce various mesoscale phenomena, internally generated circulations, externally forced circulations, and mesoscale instabilities. Covers all three fundamental aspects of mesoscale meteorology: observations, theory and modeling, with particular emphasis on the dynamics of precipitating mesoscale systems Prerequisite: ATMS 401 and ATMS 402.

| CRN | Type | Section | Time | Days | Location | Instructor |
|-------|--------------------|---------|---------------------|------|--|------------|
| 30266 | lecture-discussion | 1 | 01:00 PM - 01:50 PM | MWF | room 109 Atmospheric Sciences Bldg | Rauber, R |