

METR 5233: Cloud and Precipitation Physics

Syllabus

CLASSROOM: National Weather Center, Rm. 5930

CLASS TIME: Mon.-Wed.-Fri. 12:00-12:50

OFFICE HOURS: Mon. & Fri. 2:00-4:00, or drop by when I'm available.

INSTRUCTOR:

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(405) 325-3507

TEXT BOOK:

Rogers and Yau: *A Short Course in Cloud Physics*, Third Edition

REFERENCE BOOKS:

Pruppacher and Klett, *Microphysics of Clouds and Precipitation*
Straka, *Cloud and Precipitation Microphysics: Principles and Parameterizations*

COURSE DESCRIPTION

This course is intended to introduce students to the physical states and processes of clouds and precipitation at greater depth than the usual undergraduate course on the subjects. Polarimetric radar data and in-situ observations will be used in the class to illustrate precipitation development and evolution. Potential applications of cloud microphysics in model parameterization will be discussed.

GRADES

Homework problems:	30%
Midterm examination:	30%
Final examination (12/13/2013, 1:30-3:30pm):	40%

All students are expected to be familiar with and abide by the OU Academic Misconduct Code. Information on this code and other student policies is located at <http://www.ou.edu/studentcode>.

The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the professor as early in the semester as possible. Students with disabilities must be registered with the Office of Disability Services prior to receiving accommodations in this course. The Office of Disability Services is located in Goddard Health Center, Suite 166, phone 405/325-3852 or fax only 405/325-4173.