

Astronomy 869 Syllabus

Observational Cosmology and Active Galactic Nuclei

Spring Quarter 2009

Lectures: TTh, 11:00am-12:18pm, 4054 McPherson Lab

Professor: Paul Martini

Office: 4021 McPherson Lab (292-8632)

Office Hours: by appointment (or when my door is open)

E-Mail: martini@astronomy.ohio-state.edu

Recommended Textbook: *An Introduction to Active Galactic Nuclei* by Bradley M. Peterson (Cambridge U. Press).

Course Web Page:

<http://www.astronomy.ohio-state.edu/~martini/Astro869/>

Course Objectives

This course is intended to provide an introduction to the essential phenomenology of observational cosmology and active galactic nuclei and the basic tools for research in these areas. A list of topics is provided on the course web page.

Evaluation

The course grade will be based on homework assignments (50%), a midterm (20%) and a final exam (30%). The due dates for the homework and exams are listed on the course web page. Class participation will be an important component of the course grade. Regular attendance is strongly encouraged as much of the material will not be in the textbook. The web page also lists required reading, as well as other recommendations.

Homework Assignments

There will be five homework assignments during the quarter, each consisting of a set of problems or a short project. The ground rules for homework are that you may use any resource you wish except a person not in the class, i.e., you may work together or ask me for hints, but not solicit outside help.

Midterm and Final Exam

The midterm and final exam will be take home, closed book and closed notes exams.