

A780 Syllabus

Fall Semester 2009

Topic: Planning Science Commissioning Observations with ODI

Resources: ODI Science Case; web pages for ODI.

http://www.wiyn.org/instrument/ODI_SRD_ODI-AD-01-0008v2.2pdf.pdf

http://www.wiyn.org/instrument/ODIindex_NEW.html

Expectations: This is a 2 credit class that nominally meets once a week and grading is S/F. We have the following minimum expectations for a passing grade.

(1) Participation.

(a) Each student will work in collaboration with other students/faculty to develop a science case and observing program that will highlight the capabilities of ODI; the observations should be designed so that they can be completed during science commissioning in 2010. Each team will write an observing proposal and present a brief oral presentation on their proposed project.

(b) Each proposal will be reviewed by members of the IU astronomy department/seminar participants in terms of feasibility, science goals, and potential impact. If appropriate, one or more projects will be recommended to the ODI science commissioning team for execution.

(c) Authorship of any resulting papers will be determined based on participation. All student and faculty participants in seminar will be invited to be co-authors of such papers. The team that developed the relevant science case will be recognized as primary authors, with an order determined by individual contributions in writing the paper, data processing, and analysis. All other participants will be listed in alphabetical order.

(2) Quality. This includes developing a feasible observing program for ODI, writing a coherent observing proposal, and presenting rational arguments to assist with the decision of which observations to pursue.

(3) Respectful and professional demeanor. This includes arriving to seminar on time and working collaboratively with other team members.

Structure of Seminar: Seminar is scheduled to meet in SW 219 every Thursday 3:45-5:00pm. During the first two weeks of the semester, we will have formal presentations on the technical capabilities of ODI and the 'big picture' science case for ODI. We will also meet twice during the week of November 19, when each team will present their observing program. For the remainder of the semester, teams must meet weekly to work on developing the science case and observing program for their topic; however, teams may choose to meet at alternate times during the week, if mutually convenient.