

## Physics 496: Senior Research Project

- Also known as: PHY 496, CRN 91735, Credits 3.0.
- Instructor: Dr. Shashi Kanbur, Rm 124A, Snygg Hall, SUNY Oswego.
- Email: kanbur@oswego.edu, Tel: 2679.
- Office Hours: Monday 4-5pm Thursday: 9.30-10.30am, 1-3pm or make an appointment by phone or email.
- Class meeting time: TTh 2:20-5:15.
- Books: "The Cosmic Perspective", by Bennett et al. fourth edition.
- Books: "An Introduction to Modern Astrophysics" by Carrol and Ostlie.
- Books: "First Principles of Cosmology", by E. V. Linder.
- This course is a course designed to introduce students to doing research in the sciences. As such there is no strict syllabus saying what needs to be covered etc. At the end of the course I expect you to know Unix, Unix computing, some statistical/numerical methods, some programming (FORTRAN, JAVA). Such skills will be useful to you whatever your chosen careers. A more detailed knowledge of stellar evolution and the extra-galactic distance scale. I might set homeworks for some weeks.
- Attendance: This is compulsory.
- Grading: Final talk: 20%, Homeworks: 10%, Progress on the various topics: 70%.
- You will be required to give a talk at the end of the semester outlining the topic you worked on and detailing any results obtained. You should show some interest in the topics being studied by other members of the group.
- There is a good possibility that some of the work you do in this course will end up in a refereed journal.
- You should keep the following websites in mind: *http://xxx.lanl.gov* and *http://adsabs.harvard.edu/abstract\_service.html*.