

Syllabus: ASTR 520
Advanced Extra Galactic Astronomy Seminar
M/W 3:00-4:00 Rm 202

Instructor: Gurtina Besla gbesla@email.arizona.edu N312

Website: https://lavinia.as.arizona.edu/~gbesla/ASTR_520_Spring2017.html

Office Hours: by appointment

Course Goals:

- Understand the capabilities of HST and its role in the advancement of Extra Galactic Astronomy.
- Learn how to write an HST-level observational or theoretical proposal.

Evaluation:

- 30% 25 minute presentation on a subject under given Topic Categories (below) **Feb-March**
- 10% Abstract For Proposal **DUE March 29th 2017**
- 10% Proposal Outline **DUE April 12th 2017**
- 40% 3 page scientific justification for an HST proposal and participation in Mock TAC
DUE APRIL 26th 2017
- 10% In-Class Participation

Schedule:

January: **NOTE no class Jan 25th**
HST Overview, Instruments, Observing Strategies

February:
HST Proposal Types, Proposal Structure
Resolved Stellar Populations + Presentations
QSOs and AGN + Presentations

March:
IGM and QSO Absorption Lines + Presentations
Unresolved Stellar Pops and Galactic Structure + Presentations
ISM in External Galaxies & Cosmology + Presentations

April: **NOTE no class on April 3rd (Aaronson Symposium)**
Science Writing: Abstracts, Editing, Logical Fallacies
Ethics
How the Panel Review works

First Week of May:
Mock Panel

Classroom Behavior

Academic Integrity: All students in this course are expected to abide by the University of Arizona's Code of Academic Integrity <http://dos.web.arizona.edu/uapolicies/>

Cheating is not tolerated in any form. If a student is caught cheating on any assignment or presentation the penalty will be failure in the course. In all cases a letter will be sent to the Dean of

Students describing the incident. If you are aware that someone else is cheating, it is your obligation to inform the instructor.

We allow, even encourage, collaboration on most assignments. However, **you must always write the final version of an assignment yourself**, and use your own words to describe what you have concluded. If we receive verbatim answers from more than one person we will divide the credit received among all those with identical answers.

It is fine to make use of reference books or websites. But if you do so, make sure to put and text taken verbatim in quotes, otherwise make sure to rewrite things in your own words. In all cases you must list the source of your information. **Plagiarism is strictly prohibited.** If you are uncertain as to what constitutes plagiarism see:

<http://deanofstudents.arizona.edu/codeofacademicintegrity>

Cell Phones: The use of cell phones is not allowed in the class

Students with Disabilities:

If you anticipate barriers related to the format or requirements of this course, please meet with me so that we can discuss ways to ensure your full participation in the course. If you determine that disability-related accommodations are necessary, please register with Disability Resources (621-3268; drc.arizona.edu) and notify me of your eligibility for reasonable accommodations. We can then plan how best to coordinate your accommodations.