

ASTR 202 Midterm Guidelines

The midterm exam will be held Wednesday, Feb. 9, 2005, during the regular class time. No notes or books will be allowed, but calculators will be permitted. The exam will contain a list of physical constants that may be useful for the problems. The exam will consist of a mixture of conceptual/descriptive questions and quantitative questions. You should study all material through the end of Star Formation and the IMF.

Here is a rough outline of where the material can be found in the text. We are also covering material that is not in the textbook, and for that, you should rely on the notes from class or optionally look at Sparke & Gallagher. There will be an emphasis on material not covered last term in ASTR 201, though some of the ASTR 201 material may be needed as background for questions on the new material.

- History: 22.1 – don't memorize dates, but do be prepared to explain the general physical arguments behind each new concept, especially those that we have covered in detail in the last few weeks.
- Coordinate systems, proper motions, parallax: 1.1-1.3, 22.3 (beginning), 3.1
- Magnitudes, telescopes: 3.2, 6
- Stellar spectra and classification: 8
- Star Counts: 22.1, luminosity function and local stars: notes
- Dust, Extinction, Reddening: 12.1, notes
- ISM, Star formation and IMF: 12.2, some of 12.3, notes