

Astronomy 120

Course Information

Mr. Peter MacDonald
Room 522
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Expectations

- This is an academic, fast pace, course that requires consistent and constant effort for success.
- Excellent attendance, being on-time, and a strong work ethic is essential.
- It is your responsibility to ensure you have all notes and handouts.
- You must also make your own notes from handouts and from lecture discussions.
- The underlying theme of this course is scientific and critical thinking.

Evaluation

- Tests: 45% (includes a midterm)
- Quizzes: 25% (includes assignments, projects)
- Exam: 30% (no exemptions)

Required Supplies

- Pens, Pencils, etc.
- 3-Ring Binder
- Scientific Calculator

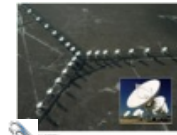
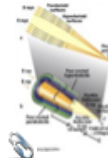
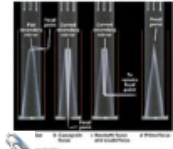
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Comins, Neil F., & Kaufmann III, William J., *Discovering the Universe 8e*. W. H. Freeman and Company. New York, 2008.

Astronomy 110 Course Outline

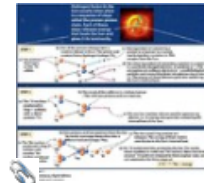
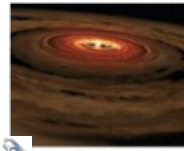
Part I - Understanding Astronomy

- Discovering the Night Sky
- Gravitation and the Motion of the Planets
- Light and Telescopes
- Atomic Physics and Spectra



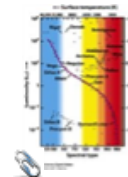
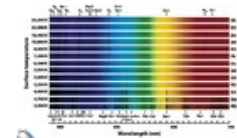
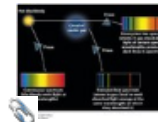
Part II - Understanding the Solar System

- Formation of Solar Systems
- Earth and Moon
- The Other Terrestrial Planets
- The Outer Planets
- Vagabonds of the Solar System
- The Sun



Part III - Understanding Stars

- Characterizing Stars
- Lives of Stars: Birth Through Middle Age
- The Deaths of Stars
- Black Holes: Matters of Gravity



Part IV - Understanding the Universe

- The Milky Way Galaxy
- Galaxies
- Quasars and Other Active Galaxies
- Cosmology
- Astrobiology

