

Astronomy 202 – Stars, Galaxies and Cosmology

Instructor: Dr. John de Bruyn

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Office Hours: MWF 1:00-2:00 (usually), or make an appointment, or take your chances and drop in anytime.

Class Times: Tuesday 9:30-11:30, Thursday 9:30-10:30

Room: PAB 215

Text: [Astronomy, A Physical Perspective](#) by M.L. Kutner (Cambridge University Press, Cambridge, 2003).

Course homepage: <http://quark.physics.uwo.ca/~debruyn/astr202.html>

Course Outline:

1. Properties of stars:
 - a) Light from stars (Chapter 2)
 - b) Stellar spectra (Chapter 3)
 - c) Binary stars (Chapter 5)
 - d) The Sun (Chapter 6)
2. Stellar Evolution:
 - a) The main sequence (Chapter 9)
 - b) Stellar old age (Chapter 10)
 - c) The death of high-mass stars (Chapter 11)
3. The Milky Way:
 - a) The interstellar medium (Chapter 14)
 - b) Star formation (Chapter 15)
 - c) The Milky Way Galaxy (Chapter 16)
4. Galaxies:
 - a) Normal galaxies (Chapter 17)
 - b) Clusters of galaxies (Chapter 18)
 - c) Active galaxies (Chapter 19)
5. Cosmology:
 - a) Issues and questions (Chapter 20)
 - b) The big bang (Chapter 21)

Evaluation Scheme

- Assignments (approx. 6) 20%
- Mid-term tests (two) 15%
- Final exam 50%
- Term essay 15%

Approximate dates of the tests (subject to change!):

- Tuesday, October 10, 2006
- Tuesday, November 7, 2006

Due date for the term essay:

- Tuesday, December 5, 2006

Late assignments or essays will be docked marks.