

ASTR 1020 Introductory Astronomy 2: Stars & Galaxies

January 14, 2008

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TA: **Jason Henning**
LAs: **Tahlia De Maio, Elin Deeb,
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MWF 10-10:50 am, Duane G1B20
Monday & Tuesday Recitation sections

Please pick up the course syllabus now or before you leave today!

Star Trek

Outline of Today's Class

- Course goals
- Course information
- Course overview



Goals

To develop a broad view
of what we know about the
Universe

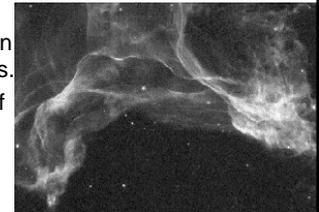
To understand the forces
that shape the Universe
and its history

To help you understand
how we figured all this
stuff

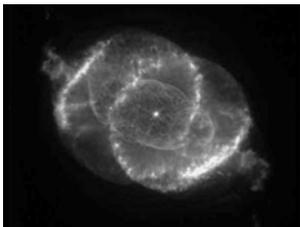


Who should take this course?

- Prerequisites: Astr 1010 or 1110.
- Recitation sections on Mondays & Tuesdays.
- Moderate amounts of quantitative work (algebra).
- More quantitative course— Astr 1030.



Course Information



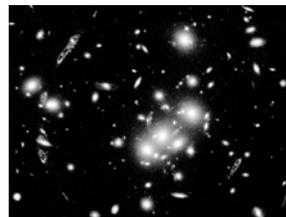
COURSE HOME PAGE:

<http://solo.colorado.edu/~jburns/Astr1020Sp08/index.html>

You can find all assignments and handouts, a course calendar, lecture notes, and other useful things here.

Recitation Sections

- **8 sections**
 - Monday 1-1:50 pm & 2-2:50 pm.
 - Tuesday 2-2:50 pm & 3-3:50 pm.
- **Goals**
 - Review material.
 - Weekly clicker quiz.
 - Brief lab exercise.
- **Recitations meet this week**
 - Check which recitation section you are in before coming to afternoon recitation.
 - Please bring your laptop to recitation, if you have one.



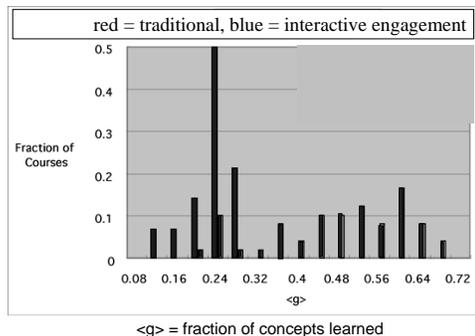
Why are we using clickers?

- Active learning lasts longer.
- You remember answers better than just a lecture.
- Clicker use leads to higher grades!
- You are given partial credit just for participating.
- Clicker questions allow you to find out if you understand.
- You can E-mail me with questions about clicker questions anytime!
- Register your iClicker via CUConnect.



Credit starts January 28th!

What difference does interactive engagement make?



Finkelstein and Pollock (2005). *Physical Review*, ST:PER, 1,1

If the history of the entire universe was condensed into a single year, the first civilization would have appeared about:

- September 1
- December 1
- December 30
- 9 p.m. December 31 (3 hours before year-end)
- 11:59:30 p.m. December 31 (30 seconds before year-end)

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How to succeed in this course

- **PUT IN THE TIME:**
3 credits at CU → 6-9 hours outside of the classroom
- **READ THE TEXTBOOK BEFORE CLASS**
- Come see us during office hours, and ask questions in class & during recitation!



MasteringAstronomy

- All homework will be assigned via the online system *MasteringAstronomy*.
- Stay up with class assignments in conjunction with the reading.
- The course ID for Astr 1020 in *MasteringAstronomy* is **ASTR1020SP08** (note: all caps).

Planetarium sessions

- We will meet for class at Fiske Planetarium about once per month.



Observatory Nights



- Starting Friday night at 8:00 pm, open for general viewing.
- Sommers-Bausch Observatory (next to Fiske): 16" and 18" telescopes.
- Not mandatory, but you can get extra for attending.

Remember- you can get a copy of these slides after class from the course website!

For next time:

- Reading:
 - How to Succeed, p. xxviii to xxix.
 - Chapter 1, sections 1.1 & 1.2.
 - Summary of Key Concepts, p. 21-22.
- *Intro to Mastering Astronomy* (complete by Jan. 21) & begin *Scales of the Universe* (complete by Jan. 28).