

# ASTR 1020 Introductory Astronomy 2: Stars & Galaxies

January 14, 2008

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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

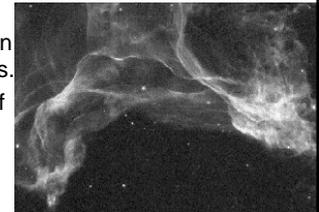
To understand the forces that shape the Universe and its history

To help you understand how we figured all this stuff

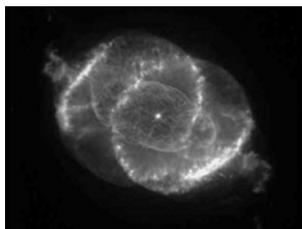


## Who should take this course?

- 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/~jaburns/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.



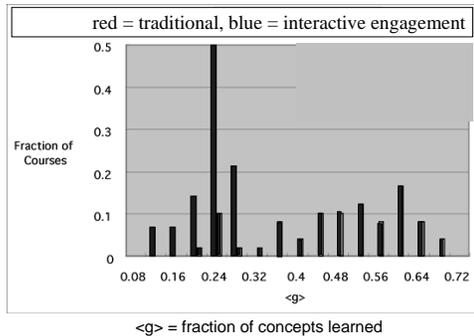
## Why are we using clickers?

- 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 MasteringAstronomy* (complete by Jan. 21) & begin *Scales of the Universe* (complete by Jan. 28).