## ASTR 1120 General Astronomy: Stars & Galaxies

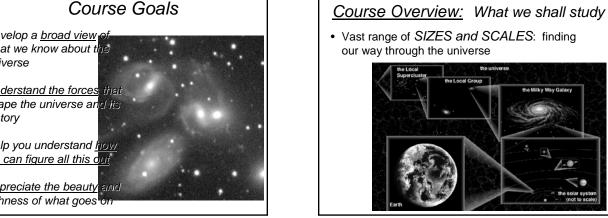
Spring 2005

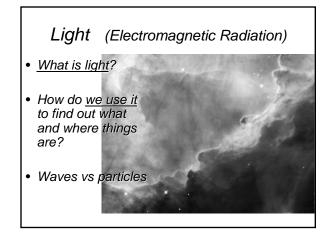
Prof. Juri Toomre TA: Ben Brown MWF 10am, Duane G1B20 Lecture 1 10 Jan 05

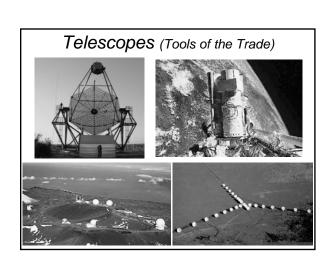
Detailed course syllabus now being passed out zeus.colorado.edu/astr1120-toomre

# Outline of Today's Class Course goals Course overview Course information • Introduction: Sizes and Scales

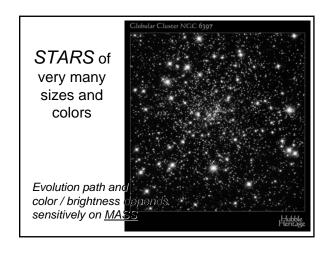
# Course Goals Develop a <u>broad view</u> of what we know about the universe Understand the forces that shape the universe and its history Help you understand how we can figure all this out Appreciate the beauty and richness of what goes on

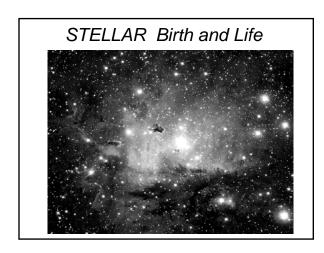


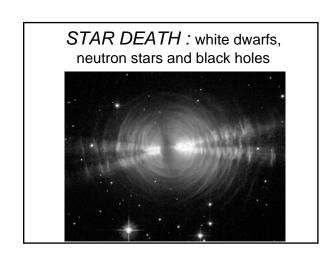




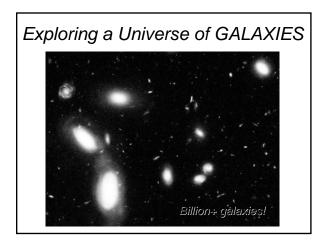


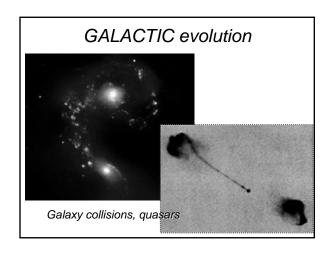


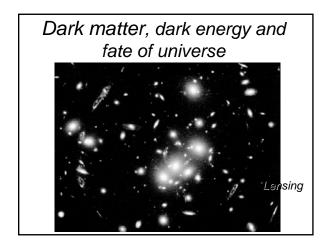


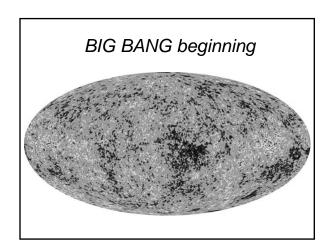


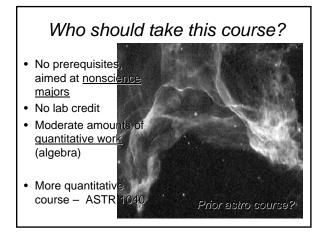


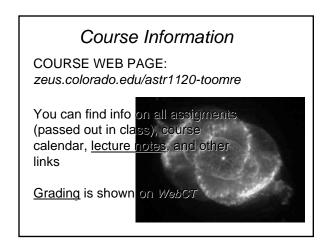


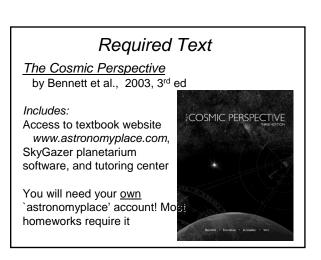












#### Clickers

- Required -- bring to each class!
- <u>Register clicker to your name</u> using instructions on syllabus (link on our website)
- Used for reading quizzes, in-class discussion questions, feedback
- \$25 purchase refund coupon with new books



# Read all course information in your handout after class!

Three in-class <u>mid-term exams</u> (m/c and short essay): 45%

Homework assignments (drop lowest): 20%

Final exam: 25%

<u>Clickers</u>: 10% (drop 5 lowest scored days) <u>Extra-credit</u> observatory nights (max 2)

There are no make-up exams or late turn-ins

#### More on clickers

- Credit starts next week
  Graded 100% for correct answer, 50% for any answer
  Your grades available online weekly (WebCT)
  5 "free clicker" days
  - o nocomonor days
- Buy and register before Friday! If you're using an old clicker, change the batteries NOW!

### Important classroom policies

- Working together on homework is encouraged, *BUT*:
- Your answers must be in your own words -exact copies will be awarded split credit
- Note sources and whom you worked with on homeworks
- · Using another person's clicker is cheating
- Students are expected to follow the CU Honor Code and behave with courtesy to the instructors and their classmates

#### How to succeed in this course

• GOT TO PUT IN THE TIME:

3 credits at CU →
6 to 9 hours outside of the classroom (no kidding)
Read the textbook sections BEFORE discussion in class (secrets of memory)
Come see us during office hours!

#### Come talk with us

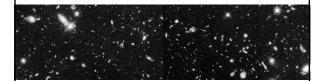
 Juri Toomre's office hours: Mon, Wed after class 11:15a-noon; Thur 2:00-3:45pm in JILA Tower A-606 (phone: 303-492-7874) jtoomre@solarz.colorado.edu

 Ben Brown's office hours: Wed 1:00 3:00pm; Thur noon-2:00pm, in TA office, Duane E-122 (phone: 303-492-7851 or -5010) bpbrown@colorado.edu

Or call or email us to mappointment!

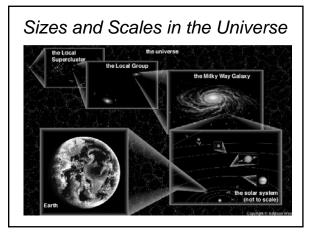


# Navigating the Universe: Sizes and Scales



"I don't pretend to understand the Universe. It's a great deal bigger than I am"

- Thomas Carlyle (1795-1881)



## For next class meeting, read:

How to Succeed in this course, p. xxvi

- Chapter 1, all (Our Place in Universe)
- Review Basic Astronomical terms, p. 4
- Chapter 2, review all (Motion of Stars, Seasons)
- Chap 3, sec 3.5 (Nature of Science)
- First read all of Chap 4 (Matter and Energy)
- Begin reading Chap 6 (Light)
- You can get a copy of these slides after class from course website (can be helpful)