Astro 101.002

Professor: Greg Taylor

Course Goals: Extend your horizons
Class Web page: www.phys.unm.edu/~gbtaylor/ast101

i-Clickers: YES, you need one. Bring it to every class.

Homework: Reading, Self-test T/F & Multiple Choice at the end of each chapter. On-line quizzes.

Grading: 10% class participation; 90% based on best 3 out of 4 tests. NOTE: there will be NO makeup tests.

Instructions Cont.

Syllabus: handed out, on-line & posted in Upper-West case so be sure to read it.
Tests: bring two number 2 pencils. Multiple-Choice.
Office-Hours: Tuesdays 9-11am in PandA 180
Campus Observatory: Fridays 7-9pm

How to Register your Clicker

1. Go to: http://panda.unm.edu/clickers/taylor101.phtml
2. Fill in requested fields:
3. Submit and record your Class ID

How to Register your Clicker

4. Proceed to Clicker web site
5. Enter your BANNER ID for the Student ID
6. Enter your name and clicker number (on the back)
7. Submit and you are done

A Quick Tour of the Universe (and this course)
Hubble Space Telescope

Very Large Array (VLA)

Chandra X-ray Observatory

Perseus Cluster

The Long Wavelength Demonstrator Array (LWDA) Site on July 27, 2007

HAARP
Gravity

\[ F = \frac{GMm}{r^2} \]
Sample Clicker Question #1:

How long does it take for the Earth to go around the Sun?

A: 1 hour  
B: 1 day  
C: 1 month  
D: 1 year  
E: Forever, the Sun goes around the Earth.

Sample Clicker Question #2:

What is the current phase of the moon?

A. New  
B. First quarter  
C. Full  
D. Third quarter

Sample Clicker Question #3:

Has Life been discovered on Mars?

A. Yes  
B. No
Example Supernova: 1998bw

A Young Supernova

Cassiopeia A: Supernova Remnant

SN 1993J Rupen et al.