Astronomy 115     Midterm Exam Review

When: Tuesday, March 28th  (First class AFTER Spring Break!)
Test will be closed book and notes.  45-50 questions.
Please bring a Scantron form: **882-E** & Calculator
Equations will be provided.

**Chapter 1:** Scale of the universe.  Light years, light minutes, constellations, daily motions of Sun & stars. Celestial Poles & Equator, Ecliptic Plane, Zodiac, Annual motion of the Sun, Seasons, Moon phases. Solar & Lunar Eclipses.


**Chapter 3:** Light/Electromagnetic Spectrum. Wavelength, Telescopes: reflecting, refracting. Light gathering power, diameter & area. Resolving power. Effect of Earth’s atmosphere on different types of light.


**Chapter 10:** Sun's approx. size & composition. The Sun's Atmosphere: Convection, Photosphere, Chromosphere, Corona, Magnetic fields & sunspot cycle. Nuclear Fusion, E=Mc^2

**Chapter 11**  Parallax, Apparent Magnitudes, Inverse Square Law, Absolute Magnitude, Spectral Types: OBAFGKM, HR Diagram.
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The following Sections & Topics are NOT on the test:

Sections 1:6-1:8, 3:12-3:17, 10:8-10:10, 11:10-11:13


NOTE: First Extra Credit Assignments are due the day of the Midterm