

AST 301: Introduction to Astronomy
Instructor: Thomas Barnes

CLASS TOPICS FALL 2003

(these topics are preliminary and may change)

Aug. 27 Movie “Powers of Ten” shown

Aug. 29 INTRODUCTION to the course

PROLOGUE:

Sep. 3, 5, 8 The Sky and Time;

Sep. 10, 12, 15 Light and Telescopes;

Sep. 17 Observatories

THE SOLAR SYSTEM:

Sep. 17, 19, 22 Structure of the Solar System;

Sept 26 First hour exam

Sep. 24, 29 Terrestrial Planets: Earth;

Oct 1 Terrestrial Planets: Moon & Mercury;

Oct 3 Terrestrial Planets: Venus;

Oct 6 Terrestrial Planets: Mars

Oct 8, 10 Giant Planets: Jupiter, Saturn, Uranus,
Neptune;

AST 301: Introduction to Astronomy
Instructor: Thomas Barnes

CLASS TOPICS FALL 2003

THE SOLAR SYSTEM:

Oct 13 Other stuff: Asteroids, Comets, Meteors, Pluto

Oct 15,17 Origin of the Solar System

STARS:

Oct 20, 24 Our Sun;

Oct 22 Second hour exam

Oct 27, 29 Light: Part 2 and Stellar Atmospheres

Oct 31, Nov 1 Stellar Properties

Nov 5, 7, 10 Stellar Evolution

GALAXIES:

Nov 12,17 Our Milky Way Galaxy

Nov 14 Third hour exam

Nov 19, 21 The Galactic Zoo

Nov 24 Hubble's Law - expansion of the Universe;
QSOs = Quasars

Nov 26 no class

AST 301: Introduction to Astronomy
Instructor: Thomas Barnes

CLASS TOPICS FALL 2003

COSMOLOGY:

Dec 1 Review class grades to date; CIS

Dec 3 The Big Bang Theory

Dec 5 Last class

Dec 11 Final Exam 9:00 - 12:00