

ASTRONOMY 103 FALL 2004

Monday and Wednesday from 8:00 - 8:50

Instructors: Dr. Henry Bass and Dr. Luca Bombelli
Office: Room 2000 National Center for Physical Acoustics
Room 105 Lewis Hall
Office Hours: Tues - 9-9:50 call ahead
Phone: 915-5840
Text: J. Bennett et al, *The Cosmic Perspective* Addison Wesley
Lab: Kennon Observatory
Lab Instructor: _____

Date	Subject
23 Aug	Introduction to the course; The night sky
25 Aug	The Celestial Sphere and apparent motions (Professor Bombelli)
30 Aug	August sky; Motion of the Earth and Timekeeping
01 Sep	Motion of the Moon, phases and eclipses
06 Sep	Labor Day Holiday
08 Sep	Ancient astronomy; Geocentric models
13 Sep	News: Renaissance astronomy and Kepler's laws
15 Sep	Newton's laws of motion and gravity
20 Sep	Matter: Constitution and forces
22 Sep	Test 1
27 Sep	Energy, temperature and heat
29 Sep	Light as a wave: The electromagnetic spectrum
04 Oct	Types of spectra and temperature effects
06 Oct	Optical telescopes; Properties and types
08 Oct	Mid Term Grades
11 Oct	New technologies and other kinds of telescopes (Professor Bombelli)
13 Oct	Overview of the Sun and the Solar System (Professor Bombelli)
18 Oct	News: Mercury
20 Oct	Venus
25 Oct	Test 2
27 Oct	The Moon
1 Nov	The Earth
3 Nov	Mars
08 Nov	Asteroids and meteoroids
10 Nov	Jupiter (Professor Bombelli)
15 Nov	Saturn (Professor Bombelli)
17 Nov	Test 3
22-26 Nov	Fall Break/ Thanksgiving Holidays
29 Nov	Uranus, Neptune and Pluto
01 Dec	Kuiper Belt Objects/Comets/ Solar System Formation
06-10 Dec	Finals

Grading Scheme:	Lab	35%	You must do at least 70% of labs to pass
	Pop Quizzes	15%	
	1st Exam	10%	
	2nd Exam	10%	
	3rd Exam	10%	
	Final Exam	20%	

Laboratory: The first lab will be on Monday night, the 30th of August. Please come on the night you have signed up for. Labs are a required part of the course.