Astronomy 103 Fall 2005 Instructor: Dr. Don Summers 915-7032
Lewis Hall 101 TTh 1:00-1:50 Text: The Cosmic Perspective, Bennett.. 3rd Ed
Office: Lewis Hall Research 221 Lab: Julio Tafoya, Instructor
Office Hours: TTh 2-3 1,2 Monday 7-9, 9-11 Kennon
3,4 Tuesday 7-9, 9-11 Observatory

Date	Subjects		Reading	-1>
22 4	Turk and described Committee address		(before	-
23 Aug	Introduction, Cosmic addre		Chapter Chapter	1
25 Aug	Stars, Constellations, Long/Lat., Seasons, Precession			2
30 Aug	Lunar phases, eclipses, retrograde motion, parallax			2
1 Sep	Earth Size, Kepler's Laws, Venus' Phases, Jupiter's Moon			3
6 Sep	Time, Calendar, RA, Dec., Star Tracks, Long., Lat.		Chapter	S1
8 Sep	Energy, Temperature, Matter Phases, atoms, energy levels		Chapter Chapter	4
13 Sep	Motion, orbits, Newton's & Kepler's Laws			5
15 Sep	Gravity, Escape Velocity, Weight and Mass, Tides			5
20 Sep	FIRST HOUR EXAM Light waves, spectra, thermal radiation, doppler shift Chapter 6			
22 Sep	Light waves, spectra, thermal radiation, doppler shift			6
27 Sep	Telescopes: Optical, Radio, and X Ray; Diffraction Limit			7
29 Sep	200 inch Telescope at Mount Palomar			7
4 0ct	Solar System Tour and Formation, Radioactive Dating			8,9
6 Oct	Terrestrial Planets, tectonics, volcanos, magnetism			10
11 Oct	Terrestrial Atmospheres		Chapter	11
13 Oct	Greenhouse effect, Ozone, Escape Velocity			11
18 Oct	SECOND HOUR EXAM			
20 Oct	The Voyager Space Flight		Chapter	12
25 Oct	Interiors/Atmospheres: Jupiter, Saturn, Uranus, Neptune		Chapter	12
27 Oct	Rings & Moons: Jupiter, Saturn, Uranus, Neptune		Chapter	12
1 Nov	Rock and Ice: Asteroids and Comets		Chapter	13
3 Nov	Pluto and Charon, Meteors, Meteor Showers		Chapter	13
8 Nov	Planet Earth: S-waves, P-waves, Continental Drift		Chapter	14
10 Nov	Planet Earth: Atmosphere. 02, CO2, Ozone		Chapter	14
15 Nov	Planet Earth: Conditions for Life		Chapter	14
17 Nov	THIRD HOUR EXAM			
29 Nov	Sunspots, Solar Magnetism, Flares, Energy Transport		Chapter	15
1 Dec	Why does the sun shine? Nuclear fusion, neutrinos			15
8 Dec	COMPREHENSIVE FINAL EXAM 12noon Thursay (not earlier)			
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Grading	Lab 25% You n	nust do at least 75% of the labs	to pass	•
Scheme	Pop Quizes 15% It he	elps to read the chapter before	class,	
		vill need a scientific pocket ca	•	•
		exas Instruments TI-30Xa is a g		
	3rd Exam 12%			
		on the final exam on 8 Dec, not	earlier	•
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The 1st lab will be on Monday night, 29 August Come on the night and time that you have signed up for. Labs are a required part of the course. Bring a scientific calculator lab. 10 10 20 $10 \times 10 = 10$