

**Spring 2009** **Astronomy 161**

Section 001 Dr Bill Blass

**Lab: Nielsen 507** **Monday 12h20-2h15**

TA: Jessica White [jwhite42@utk.edu](mailto:jwhite42@utk.edu)

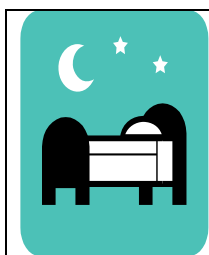
*"No known roof is as beautiful as the skies above." Michael O'Muircheartaigh*

**Office Hours:** by appointment

**Text:** *A Laboratory Textbook for Introductory Astronomy (7<sup>th</sup> Ed)* Kermit E Duckett

**Website:** <http://astrolabs.phys.utk.edu>

Date	Title	Experiment #
01/12	Telescope Lab	Handout
01/19	MLK day- NO LAB	N/A
01/26	Conversions /Angles, Coordinates	Exercises 2 & 5
02/02	Sidereal Time	Exercise 7
02/09	Revolution- Moons of Jupiter	CLEA 1
02/16	Stars and Constellations	S-1
02/23	Stellar Magnitude and distance	Exercise 13
03/02	Acceleration of Gravity	Exercise 8
03/09	Celestial Observations	T-1
03/16	Spring Break- NO LAB	N/A
03/23	Astrophotography (CCD camera)	T-2
03/30	Digital Darkroom	T-3
04/06	Make-up Lab	
04/13	Final Exam	
04/24	Classes End	



All experiments **must be COMPLETED!** There is a make-up lab the week of **04/06**, but I strongly suggest you come to ALL of your labs. In the case of an emergency, contact me via email immediately. There are several ways to deal with this problem, but take into consideration that no matter what, you will complete all the experiments!

Your lab mark counts for **25%** or your overall course grade. This 25% is divided as follows:

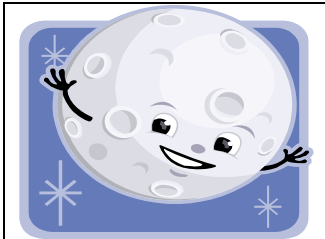
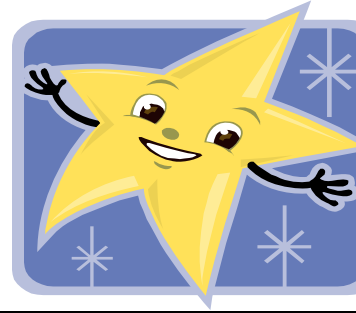
**25%** Lab Reports

**20%** Night Viewing Sessions

**25%** Lab Quizzes (given at the beginning of the lab)

**5%** Participation (answering questions during lab)

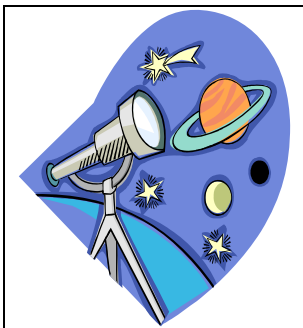
**25%** Lab Final



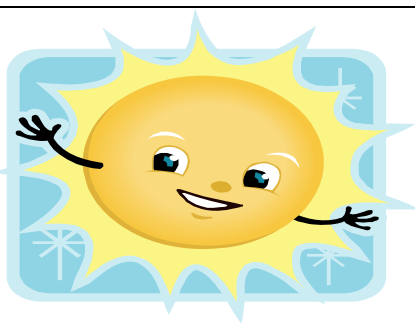
Quizzes will be given on occasion during the lab section. There will be approximately 6 quizzes over the course of the semester. They will contain some questions from both the lab and the coursework. They are given to help your grade, and to motivate you to prepare for the lab!

When I calculate your final lab grade at the end of the year, I will drop **one quiz grade** and **one lab grade**. I feel that everyone is bound to have one bad day per semester!

*"Lost in the milky way, / Smile at the empty sky / And wait for the moment / When a million chances may all collide."-The Lightning Seeds*



You are **REQUIRED** to attend **two** night-viewing sessions during the semester on the roof. There will be a sign-up sheet in order for you to do this. I suggest you try to get them finished as soon as possible- you would hate to get rained out!!



Lab reports will be turned in at the end of the lab period. If you do not finish, it can be placed in my mailbox or given to me at the beginning of the next lab. Your graded reports will be returned to you at the next meeting. During weeks that we do not meet, I can arrange to get your lab reports back to you by leaving them in my mailbox.

*"Mortal as I am, I know that I am born for a day. But when I follow at my pleasure the serried multitude of the stars in their circular course, my feet no longer touch the earth." -PTOLEMY*