Astronomy 162 Lab, Spring 2006

Section 008 Tuesday 10:10-12:05
Section 005 Wednesday 12:20-2:15
507 Nielsen Physics Building

Instructor: Ben Chevis, bchevis@utk.edu
Office Hours: 2:20-3:30 Monday in 203 Nielsen (Tutorial Center) or by appointment

Lab Outline
This lab section is designed to emphasize important concepts from lecture. We will be using the *A Laboratory Textbook for Introductory Astronomy, 6th Edition*, by Duckett. Read each experiment before coming to lab.

Every week we will perform an exercise. The exercise answer sheet can be turned in at the end of the lab or the beginning of next lab, after that it’s a zero. There will be three short quizzes during the semester which cover lab exercises. The quizzes will be open book and focused on recent labs. The final exam will be closed book and cumulative.

Attendance is mandatory. Be certain to sign the sign-in sheet. If you miss a lab, you need to make it up on the last week otherwise your final grade will drop a letter grade.

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<thead>
<tr>
<th>Grading</th>
<th>Grading Scale</th>
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<tbody>
<tr>
<td>Weekly Lab Exercises</td>
<td>60%</td>
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<tr>
<td>Quizzes</td>
<td>10%</td>
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<tr>
<td>Final Exam</td>
<td>30%</td>
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Lab Rules
No eating, drinking or using tobacco products in the lab. Silence phones, please.

Schedule
Week of | Lab Exercise | Quiz # |
-------|--------------|--------|
January 22 | Ex. 12: The Moon’s Orbit | |
January 29 | Ex. 18: Spectral Properties--- | 1 |
February 5 | Ex. 13: Stellar Magnitude & Distance | 2 |
February 12 | CLEA 4: Photoelectric Photometry of Pleiades | |
February 19 | Ex. 11: Inverse Square Law of Gravitational Attraction--- | 3 |
February 26 | CLEA 5: The Classification of Stellar Spectra | |
March 5 | Ex. 15: The Solar Constant | |
March 12 | Ex. 24: Cosmic Distance Scale--- | Review |
March 26 | CLEA 6: The Hubble Redshift Distance Relation | |
April 2 | CLEA 8: Large-Scale Structure of the Universe--- | |
April 9 | No Lab (Spring Recess) | |
April 16 | Lab Final | |
April 23 | Make Up Lab | |