

ASTR 1010: Solar System Astronomy

Lab Syllabus

Summer 2018 * Langdale Hall 715

Labs begin on June 6th.

Student Materials: Bring the following to class **every** lab period,

- Activities in Astronomy, 2013 Edition, by John W. Wilson,
- Pencils & Eraser,
- Scientific calculator (not a cell phone!).

Attendance: Students must attend the lab section for which they have enrolled. It is expected that you arrive on time to lab. Late by 10 minutes or less will result in the loss of a point, 20 minutes or less will result in two points lost and 30 minutes or less will result in three points off that week's lab. If you are late by more than 30 minutes, you will not be allowed to participate in that week's lab. Because many labs are full, students **cannot** attend another section to make up a missed lab class. However, your lowest score will be dropped.

Honesty Policy: Students are expected to follow the honesty policies of the university. Any work that does not represent your own efforts will receive a score of zero. When group work is done, it is expected that each student in the group will reply to questions using their own words. Therefore, **do not copy other student's lab work or observations.**

Lab Grades:

- Laboratory work is to be completed in class and turned in at the end of each lab period. Late labs, or lab work done outside of class will not be accepted.
- Each completed lab will be scored on a scale of 0-10 points. Your lowest lab score will be dropped. Therefore, if you miss lab for any reason that will become your dropped score.
- Your average lab score will count as 25% of your overall ASTR 1010 grade.
- Failure to attend at least half of the lab classes will result in an F for the entire course because this is a lab science and lab attendance is required. So if you make an A in lecture but do not regularly attend lab you will fail the course.

Lab Website: More information about labs, observing sessions, teaching schedules, etc can be found at <http://www.astro.gsu.edu/lab>

Tentative Weekly Schedule

Dates	Description
June 6	Lab 1: The Celestial Sphere and Planispheres TERM PROJECT , Lab 24: Observing Phases of the Moon (20 pts.) Lab 28: Visiting an Observatory. Both are required and cannot be dropped. Both are due on the last day of lab.
June 11	Lab 2: Phases of the Moon
June 13	Lab 3: Planetary Orbits
June 18	Lab 4: Mass of Jupiter
June 20	<i>Handout: Scale Sizes of the Solar System</i>
June 25	Lab 5: Construction of a Refracting Telescope
June 27	Lab 7: Lunar Features
July 2	<i>Handout: Eclipses</i>
July 4	4th of July Break! NO LABS MEET!
July 9	Lab 9: Impacts and Craters
July 11	Lab 19 & 22: Solar Observing & Measuring the Diameter of the Sun (Subject to Change!)
July 16	<i>Handout: December 21st 2012: Are we all going to die?</i>
July 18	Lab Evaluation, Turn in Lab 24 , Observing Phases of the Moon. Turn in Lab 28 , Visiting an Observatory. To receive credit for this lab, you must turn in the completed and signed page from lab 28 in your lab manual. Your lab instructor will announce, in lab, evening observations to be held on campus to complete this requirement, OR you can attend any public night at a local observatory such as Fernbank Science Center , or Hard Labor Creek Observatory .

Lab Instructor's Name: _____

Lab Instructor's Email: _____

Lab Instructor's Office: _____

If you encounter problems that your lab instructor cannot handle, please contact your lecture class instructor and/or the Astronomy Lab Manager, Dr. John Wilson (wilson@astro.gsu.edu).