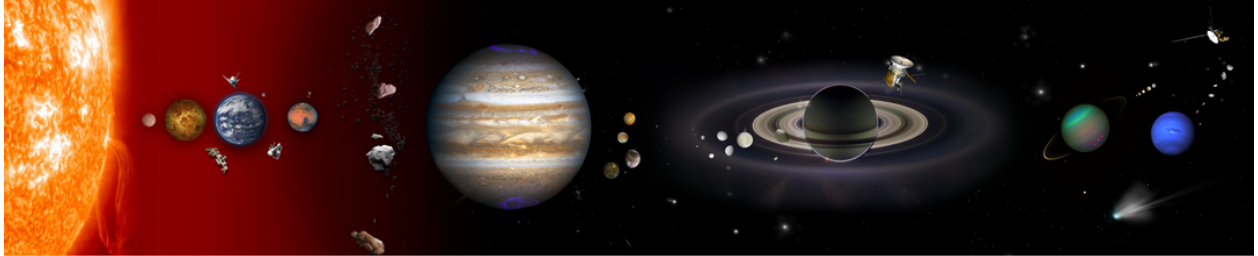


# Astronomy 105G Lab Syllabus

## Section M02

### Fall 2015



**Lab Time:** Tuesdays 1:30-3:30pm

**Lab Location:** Walden Hall 232

**TA: Jodi Berdis**

**TA Email:** [berdis@nmsu.edu](mailto:berdis@nmsu.edu)

**Lab Website:** <http://astronomy.nmsu.edu/berdis/astr105.html>

**TA Office:** Astronomy Hall 108

**TA Office Hours:** Wednesdays 1:30-2:30pm; Thursdays 1:30-2:30pm

### Required Materials

You must bring your lab manual to lab! You can purchase the lab manual from FedEx Kinko's at University Avenue and Espina Street for \$30, or you can print the labs out yourself through Canvas or the lab website (listed above). Note: we will **not** do every lab in the lab manual, so it is cheaper to print out the individual labs yourself, although you are still welcome to purchase the whole lab manual if you would like! You must also bring a pencil and a scientific calculator (specifically one that can perform trigonometric functions and take square roots).

### What To Expect

Each student must read the lab before coming to class and bring their own copy of the lab. The labs consist of two parts: the teamwork section and the take-home section. The teamwork section is done in groups during lab, and is worth 65 points (out of 100). The take-home section is done *outside of lab by yourself*, and is worth 35 points (out of 100). One person from each group turns in a copy of the teamwork section with the names of all group members on it by the end of the lab. Each person must turn in their *individual* take-home section at the beginning of the next week's lab class. If a group finishes the lab before the class is over, they may turn in their teamwork section and leave early. Always show your work and include units.

Even though your group will only turn in one copy, each student should print out and complete their own copy of the lab. If your copy of the lab is being turned in for

the teamwork section, write your answers on a separate sheet of paper so that you can complete the take-home section.

ATTENDANCE IS MANDATORY. I do not offer make-up labs. However, in the case of emergencies or excused pardons (medical, sports, etc.), come speak to me ahead of time and we can work out a way for you to sit-in on another lab section.

### **Late Work**

Take-home sections are due at the beginning of lab on Tuesdays at 1:30. Under no circumstances will assignments be accepted after this time.

### **Plagiarism**

Science is collaborative by nature and you will be working in groups during lab, however, you must perform your own calculations and write your answers in your own words. For the take-home section, you may not turn in work that is identical to another students' work. You may not copy sentences or descriptions from the Internet or textbook without citing a course. Discussing your answers with others *after* completing the assignment is allowed, but the work you turn in must be your own. Each teamwork and take-home section must be turned in with a cover sheet, on which will be your signature stating that the answers were all original work.

### **Lab Schedule**

Date	Lab
Aug 25	#1: Tools for Success
Sep 1	#6: Scale Model of the Solar System (Meet at East Practice Field! **)
Sep 8	NO LAB
Sep 15	#2: The Origin of the Seasons
Sep 22	#3: Phases of the Moon
Sep 29	NO LAB
Oct 6	NO LAB
Oct 13	#7: Density
Oct 20	#8: Estimating the Earth's Density
Oct 27	#12: Introduction to the Geology of the Terrestrial Planets
Nov 3	#17: Characterizing Exoplanets
Nov 10	#4: Kepler's Laws
Nov 17	#16 Building a Comet
Nov 24	NO LAB
Dec 1	NO LAB

\*\* East Practice Field is located just east of the Aggie Memorial Stadium, behind the Pan American Center.