

Astronomy 105G Lab Syllabus

Section M05

Fall 2016

TA: Jodi Berdis

Lab Time: Thursdays 1:30-3:30pm

Lab Location: Walden Hall 232

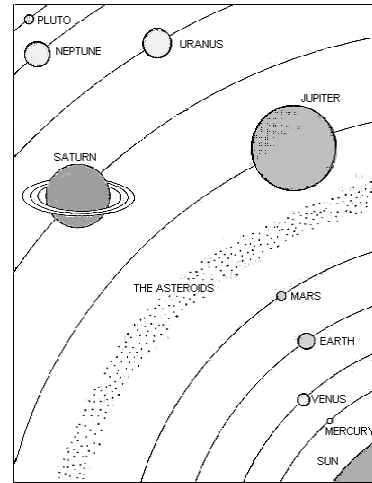
TA Email: berdis@nmsu.edu

Lab Website:

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

TA Office: Astronomy Hall 212

TA Office Hours: Mondays 2:00-4:00pm



Required Materials

You **must** bring your lab manual to every 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).

Expectations

At the beginning of each lab, there will be a quiz to assess whether you read the lab ahead of time, as well as your understanding of the lab. **THESE QUIZZES WILL BE GRADED.** You **must** read the lab before class, and you **must** arrive to class on time to take the quiz.

Each student must also 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.

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.

It should be noted that your lowest lab grade will be dropped at the end of the semester before your final grade calculation.

Late Work

Take-home sections are due at the beginning of lab on Thursdays at 1:30. Under no circumstances will assignments be accepted after this time. **I do not accept late work.**

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 student's work. You may **not** copy sentences or descriptions from the Internet or textbook without citing a source. Assignments containing any acts of plagiarism will receive an automatic **zero** and will be reported to the professor for further disciplinary action.

Review the short, handy guide at <http://nmsu.libguides.com/plagiarism> to learn how to properly cite sources and avoid plagiarism.

Lab Schedule

<u>Date</u>	<u>Lab</u>
Aug 25	#1: Tools for Success in ASTR 105G
Sep 01	#6: Scale Model of the Solar System ***
Sep 08	NO LAB
Sep 15	#5: The Orbit of Mercury
Sep 22	#10: Locating Earthquakes
Sep 29	#11: The Surface of the Moon
Oct 06	#7: Density
Oct 13	#12: Introduction to the Geology of the Terrestrial Planets
Oct 20	#14: The History of Water on Mars
Oct 27	#15: The Volcanoes of Io
Nov 03	#16: Shaping Surfaces in the Solar System
Nov 10	#17: Our Sun
Nov 17	#18: Characterizing Exoplanets
Nov 24	NO LAB
Dec 01	#19: Review for Final Exam

*** Lab will meet at the East Practice Field located just east of the Aggie Memorial Stadium, behind the Pan American Center.