

# ASTR 105 Lab M01: The Planets

**Location:** Science Hall 110  
**Time:** Wednesdays 4:30-6:30  
**TA :** Kyle Uckert

**Office:** 220 Astronomy Building  
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**Email:** kuckert  
(append "@nmsu.edu")

**Office Hours:**  
Wednesdays 1:00 - 2:00

## Policies

**Attend all labs and arrive on time.** Expect to use the full two hours to complete a lab. Attendance is mandatory.

**Prepare by reading the lab before you come.** Reading ahead of time helps you understand the material better and gives you a far better chance of not getting lost.

**Bring the following items:**

- a copy of the lab for the day
- any part of the previous lab you have not yet turned in
- a writing utensil
- extra paper
- a calculator (your cell phone isn't really a calculator).

**Groups of 3 or 4 students are permitted to work together.** Each group may submit one copy of their in-lab work with all members names on the top. Each group member must complete their take home section individually.

**Plagiarism will not be tolerated.** Any instances of plagiarism will result in a 0 for all parties involved. Plagiarism includes copying/reusing materials from the Lab Manual/Wikipedia/any source without attribution.

**Labs are due one week from when they were assigned.** A lab will receive half credit if it is turned in within one week of the due date. Any lab received after this will be given a 0.

\*Policies are subject to change and will be announced in class.

## Tutoring

**Zuhl Library [Student Success Center](#) :**

- This is a drop-in tutoring service offered by the library.
- No appointment is necessary
- At least 30 minutes of face-to-face tutoring is guaranteed
- Phone: (575) 646-6050
- Zuhl Library Second floor

**The Crimson Scholar [Residential Mentors](#) :**

- Offers free tutoring services to all NMSU students
- Located in the La Vista Learning Lounge in Garcia Hall
- Tutoring in a variety of classes and subjects (including Biology, Chemistry, Engineering, Mathematics, and many more)
- Students may walk-in or schedule a tutoring appointment
- Phone: (505) 646-5590

### Academic Support Center :

Offers drop-in or by-appointment tutoring, one-on-one and group tutoring.  
Tutoring in a variety of classes and subjects (including Calculus, Biology, Chemistry, Physics, Accounting and many more)  
Located in the ASC Building (just north of the Science Center)  
Current hours are stated as:

Mondays - Thursdays: 9:00am - 7:00pm

Fridays: 9:00am - 4:00pm

Saturdays: 10:00am- 2:00pm

Phone: (575) 439-3853

## Tips

**Check your Units** If the question is asking for a distance, your answer should not be in seconds.

**Does your answer make sense?** Before you press the equals sign in your calculator, think about what you expect the answer to be (should it be a huge number, or do you expect it to be very small).

**Make sure you understand how your calculator works** Entering  $2.6/2*\pi$  is not the same thing as  $2.6/(2*\pi)$

**Answer every question** Giving any answer is better than giving no answer.

## Schedule

Week	Lab Name	Date
1	<a href="#">Lab # 1: Tools for Success</a>	1/19
2	<a href="#">Lab # 8: Density</a>	1/26
3	<a href="#">Lab # 7: Scale Model of the Solar System</a>	2/2
4	<a href="#">Lab # 3: Phases of the Moon</a>	2/9
5	<a href="#">Lab # 2: The Origin of the Seasons</a>	2/16
6	<a href="#">Lab # 6: The Orbit of Mercury</a>	2/23
7	<a href="#">Lab # 5: Kepler's Laws</a>	3/2
8	<a href="#">Lab # 9: Estimating Earth's Density</a>	3/9
9	<a href="#">Lab # 12: Surface of the Moon</a>	3/16
10	<a href="#">Lab # 15: Surface Water Flow Features on Mars</a>	3/30
11	<a href="#">Lab # 16: Heat Loss from IO</a>	4/6
12	<a href="#">Lab # 17: Building a Comet</a>	4/13
13	<a href="#">Lab # 19: The Sun</a>	4/20
14	<a href="#">Lab # 20: Review</a>	4/27

### **Class Website:**

<http://atmos.nmsu.edu/pub/MGS/ASTR105G-M01M02-SPRING2011/>

### **Lab Website:**

<http://astronomy.nmsu.edu/kuckert/ASTR105/>