

Lab Manual – Fall 2021 – Update 8/25

Welcome to Lab! The lab component is an integral part of our astronomy curriculum that reinforces concepts learned in class.

Location & Time

All Astr1020 labs are held in **Langdale Hall Room 721**.

Lab sections are typically full, therefore you must attend the lab section to which you are enrolled. The exact time is based upon your CRN (you can check on PAWS).

Scores

There are nine labs each worth 10 points for a total score of 90. Your lowest lab score is dropped, and the project is worth 20 points. Therefore the total lab score is out of 100 points. Labs are worth 25% of your total grade. **Failure to complete at least half of the lab assignments will automatically result in a failing grade for the course.**

Late Policy

Our tardiness policy is that every five minutes late results in a deduction of 0.25 points off your grade. Therefore 10 minutes late is a penalty of 0.5 points. If you are 30 or more minutes late that will result in a zero for the lab. Missed labs are automatically a zero. If you have any questions or concerns, please contact your TA and/or instructor.

Academic Integrity

All students must abide by the **Student Code of Conduct**. It is perfectly acceptable and encouraged to work with your fellow students and ask questions. However, answers to questions should be your own words and thoughts – **do not copy** another student's work nor copy material from the web.

Below is the lab schedule. A few key dates:

August 23: First day of classes (no lab this week).

September 6: Labor Day (no lab this week).

November 5: Last day of labs.

November 22 – 27: Thanksgiving Break

December 6: Last day of class

Lab	Week	Topic
NO LAB	Aug 23 – 27	
LAB 1	Aug 30 – Sept 3	Sun
NO LAB	Sept 6 – 10	
LAB 2	Sept 13 – 17	Spectra
LAB 3	Sept 20 – 24	Binaries
LAB 4	Sept 27 – Oct 1	Pleiades
LAB 5	Oct 4 – 8	Period-Luminosity
LAB 6	Oct 11 – 15	Hubble's Law
LAB 7	Oct 18 – 22	Galaxy Classification
LAB 8	Oct 25 – 29	Distance Ladder
LAB 9	Nov 1 – 5	Black Holes
Semester Project	Nov 8 – 12	