Classical and Modern Astronomy Laboratory
ASTR 1103 - Fall 2023

Astronomy Laboratory Coordinator: Dr. Carl Ziegler
Office: Room 207L, Ed and Gwen Cole STEM Building
Email: Carl.Ziegler@sfasu.edu

CLASS MEETING TIMES AND PLACE

Section 21: M 1:00 – 2:50 pm, STEM 208
Section 22: M 3:00 – 4:50 pm, STEM 208
Section 24: T 12:30 – 2:20 pm, STEM 208
Section 25: T 2:30 – 4:20 pm, STEM 208
Section 27: W 1:00 – 2:50, STEM 208
Section 28: W 3:00-4:50, STEM 208
Section 30: Tr 12:30-2:20 pm, STEM 208

LAB CALENDAR

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<th>Lab Exercise</th>
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<td>Aug. 28 – Sept. 1</td>
<td>No Labs</td>
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<td>Sept. 4 – Sept. 8</td>
<td>Sky Familiarization</td>
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<td>Sept. 11 – Sept. 15</td>
<td>Scientific Measurements</td>
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<td>The Earth’s Orbital Velocity</td>
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<td>Ages and Distances of Clusters</td>
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NIGHT LAB SCHEDULE

In addition to the lab exercises shown above, each student is required to attend one night lab session. The night labs are normally held at the SFA Observatory. Bus transportation to and from the Observatory will be provided. The night lab schedule is shown below. The bus pickups at the STEM circle bus stop at the time below for your section. If the weather does not permit observing the night sky, the night lab TA will contact you. The back-up date will be attempted. If neither date works, an alternative planetarium lab will be scheduled

Section 21: October 9 at 7:30 pm (backup November 6 at 6:15 pm)
Section 22: October 9 at 8:00 pm (backup November 6 at 6:45 pm)
Section 24: October 12 at 7:30 pm (backup November 9 at 6:15 pm)
Section 25: October 12 at 8:00 pm (backup November 9 at 6:45 pm)
Section 27: October 16 at 7:30 pm (backup November 13 at 6:15 pm)
Section 28: October 16 at 8:00 pm (backup November 13 at 6:45 pm)
Section 30: October 16 at 8:00 pm (backup November 13 at 6:45 pm)
CLASSROOM POLICIES
Each week’s lab begins with a brief presentation by the teaching assistant (15-30 minutes). Important instructions and procedures for completing the lab exercise are given at that time. At the conclusion of the presentation, students will then complete the lab exercise under the guidance of the lab teaching assistant.

1. It is very important that you arrive on time!
2. Come prepared! Read over the lab exercise before coming to class (see calendar) and bring required materials (see Supplies below).
3. No cell phone use of any kind is allowed (including texting, games or leaving class to answer phone …). Students observed using a cell phone will lose 10 points off their daily lab grade – if a second warning is given the daily grade will be zero.

SUPPLIES
Each student MUST bring the following supplies to every lab session.

1. Pencil and eraser
2. Laboratory Manual
3. Star Chart (will be handed out in first lab)
4. Calculator (bring to every lab!)

If you do not bring the required supplies for a particular lab, you will not be able to complete the lab. Please don’t forget to bring them!

GRADING
There are 12 grades that will be used in determining a lab average (11 indoor labs and the night lab). The average of the 12 scores will count 75% and the Lab Exam 25% of the FINAL LAB AVERAGE.

FINAL LAB AVERAGE = (Average of 12 Labs X 0.75) + (Lab Exam X 0.25)

Astronomy 1303 (Lecture) and Astronomy 1103 (Lab) are averaged into one grade and THE SAME GRADE WILL BE RECORDED FOR BOTH LECTURE AND LABORATORY. The FINAL COURSE GRADE is explained in your lecture syllabus.

Laboratory Safety Quiz
All students enrolled in this lab must pass the Lab Safety Quiz that is available on D2L. At the beginning of the second week of lab, any student who has not completed and passed the Lab Safety Quiz will be prohibited from performing the lab.

Laboratory Report Submission
While the data for some of the labs will be collected as a group and therefore will be identical, each student must write their own lab report in their own words.
LAB ABSENCES
We realize that occasionally there are legitimate reasons for missing a lab such as illness, family emergency and participation in certain university-sponsored events. Please read the following absence policy carefully.

1. If you will be missing lab because of an approved university-sponsored event you must inform the astronomy laboratory coordinator at least one week before the absence.
2. Students are responsible for providing timely documentation satisfactory to the astronomy laboratory coordinator for each absence. You have one week after missing a lab to present your documentation otherwise the absence cannot be excused.
3. Students will receive a grade of zero for each UNEXCUSED lab absence.
4. Whether an absence is excused or unexcused, a student is still responsible for all course content.

Withheld Grades (A-54)
At the discretion of the instructor of record and with the approval of the academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future semesters, the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

Academic Integrity (A-9.1)
Abiding by university policy on academic integrity is a responsibility of all university faculty and students. Faculty members must promote the components of academic integrity in their instruction, and course syllabi are required to provide information about penalties for cheating and plagiarism as well as the appeal process. (Much of this information will be provided through internet links.)

Definition of Academic Dishonesty
Academic dishonesty includes both cheating and plagiarism. Cheating includes, but is not limited to: (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) falsification or invention of any information, including citations, on an assignment; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism include, but are not limited to: (1) submitting an assignment as if it were one’s own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from the Internet or another source; and (3) incorporating the words or ideas of an author into one’s paper or presentation without giving the author due credit.

Please read the complete policy and the appeals process at
http://www.sfasu.edu/policies/academic_integrity.asp and
http://www.sfasu.edu/policies/academic_appeals_students.asp

Students with Disabilities
To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS) in the Human Services Building (Room 325,
468-3004 or 468-1004) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodations and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to http://www.sfasu.edu/disabilityservices/.

**Student Counseling Center**
Rusk Building 3rd Floor
(936) 468 -2401
Email: counseling@sfasu.edu

The Student Counseling Center is available free of charge to students and is staffed with professional therapists to meet a variety of needs. All interactions with the Student Counseling Center are guaranteed confidential. Licensed Counselors are available from 8:00a.m.-5:00p.m. Monday -Friday. The department is closed on certain holidays, Spring Break and Winter Break when the university is closed. If you are in need of assistance after hours or on the weekend please call: University Police: (936)468-2608 or MHMR Crisis Line: (800)392 -8343. If the situation is life threatening please dial 911.