

GEO 080 Astrobiology

Laboratory Sections 022 & 028

Syllabus Addendum

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LABORATORY SECTIONS

Section 022: Wednesdays, 11:00 AM to 1:50 PM

1444 Geology Building

Section 028: Fridays, 5:00 to 7:50 PM

1444 Geology Building

Office Hours: Thursdays, 11:00 to 11:50 AM

1278B Geology Building

By default, my office hours will be held in person in my office. However, please email me to schedule an appointment if you need a different time to meet with me. Please also reach out if you would like to meet over Zoom, including during office hours. You are also welcome to attend the office hours of other teaching assistants (for questions related to class content) in addition to Prof. Kane and Dr. Diamond. See the main syllabus for their office hours and locations.

CONTENT

During a typical section meeting, expect to follow the following itinerary:

- › **Quiz [15 min.]:** A ten-question quiz covering both lecture and lab material takes place most weeks via Canvas.
- › **Mini-Lecture [35 min.]:** A presentation that expands on theory learned during the previous week's lectures.
- › **Exercise [120 min.]:** An application of material learned to physical specimens, lab equipment, worksheets, etc.

Attendance in lab is essential to receive full marks within the course. Throughout the quarter, six quizzes and six exercises will be assigned. The lowest scoring quiz and exercise will be dropped automatically.

Quizzes will only be available during the first fifteen minutes of the laboratory section. They are designed to cover material provided both in lecture and in lab. Please arrive on-time to take the quiz so that there is enough time to complete the exercises. Expect to complete the exercises by the end of the laboratory section.

The assignments given within laboratory sections will account for 35% of the final grade for the course. Quizzes and exercises will be weighted equally. Thus, each assignment will be worth 3.5% of the final grade. Grades will be posted on the section's eLearn (Canvas) site and will be normalized between the laboratory sections at the end of the quarter.

Students are expected to complete laboratory assignments in-person. If you cannot attend your assigned laboratory section during a particular week, you may arrange to attend a different section. To do so, you must email your assigned TA and the TA whose section you would like to attend in advance.

ADDITIONAL INFORMATION

Students may use devices to record audio for personal use. Thus, students are not required to participate orally if they are not comfortable. Students are not entitled to share, distribute, or post recordings of class content, as this would infringe on the intellectual property rights of the instructor.

Under federal and California law, as well as university policy, instructors and teaching assistants are mandated reporters. They are required to report sexual assault, harassment, threats of violence, and specific other crimes to the university and local authorities as soon as they become aware, as described at compliance.ucr.edu. Confidential resources for students can be found through the Campus Advocacy, Resources, and Education (CARE) office at care.ucr.edu or through the Office of the Ombuds at ombuds.ucr.edu.

If you have a disability or believe you may have one, you can arrange for accommodations by contacting the Student Disability Resource Center (SDRC) [sdrc.ucr.edu]. Students needing academic accommodations are required to register with the SDRC and provide the required disability-related documentation. Similarly, if you have a pre-existing medical condition that affects your ability to participate in required class activities, you are responsible for informing the instructor within the first two weeks of the course beginning.

SCHEDULE

Week 1: No Laboratory Sections: Syllabus Week	<i>Mar. 31 - Apr. 6</i>
Week 2: Introduction and Exercise 1 (Building a Habitable Planet)	<i>Apr. 7 - 13</i>
Week 3: Quiz 1 and Exercise 2 (HR Diagram, Scale of the Universe, & The Drake Equation)	<i>Apr. 14 - 20</i>
Week 4: Quiz 2 and Exercise 3 (Extremophiles and Life Origins) <ul style="list-style-type: none">➤ Additional Office Hours: Monday April 22, 10:30 - 11:30 AM➤ Midterm 1: In-class April 23	<i>Apr. 21 - 27</i>
Week 5: Quiz 3 and Go Over Midterm 1	<i>Apr. 28 - May 4</i>
Week 6: No Laboratory Sections: AbSciCon 2024 <ul style="list-style-type: none">➤ Office Hours: Cancelled	<i>May 5 - 11</i>
Week 7: Exercise 4 (Comparison of Venus and Mars)	<i>May 12 - 18</i>
Week 8: Quiz 4 and Exercise 5 (Exoplanets) <ul style="list-style-type: none">➤ Additional Office Hours: Monday May 20, 10:30 - 11:30 AM➤ Midterm 2: In-class May 21	<i>May 19 - 25</i>
Week 9: Quiz 5 and Exercise 6 (Biosignatures and The Habitable Zone) <ul style="list-style-type: none">➤ Office Hours: Cancelled➤ Section 022: Substitute TA➤ Section 028: No Lab Meeting, see Instructor for Alternate Plans	<i>May 26 - June 1</i>
Week 10: Quiz 6, Go Over Midterm 2, and Final Exam Review <ul style="list-style-type: none">➤ Additional Office Hours: Friday June 7, 10:30 - 11:30 AM➤ Final Exam: Saturday June 8, 11:30 AM - 2:30 PM	<i>June 2 - 8</i>