

EAS 2600 Lab: Earth Processes (Majors Section)

THE GEORGIA INSTITUTE OF TECHNOLOGY

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Lab: Mondays 3:30 – 6:15 PM in Kendeda 298

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General

This lab curriculum is designed to deepen your understanding of earth processes through discussion and hands-on experience with data and observations. Everything within this lab syllabus is in addition to the overall course syllabus. All course rules and policies including those pertaining to academic honesty and student-faculty expectations apply.

Required Lab Material: There is no separate textbook or lab manual associated with the lab portion of this course. Instead, relevant pre-lab materials will be posted each week to Canvas that students are required to review before the lab session.

Office Hours:

Tuesdays 11:00 a.m. - 12:00 p.m. in person, or by appointment.

Email is preferred for quick, short-answer questions, but for larger conceptual questions, specific questions about grading, or would like to discuss a topic in detail, office hours/appointments are best. Email me if you'd like to meet over Zoom instead.

Online Communication and Resources: The official means of communicating for this class is Canvas. Please check your email/Canvas regularly for updates. If you have a specific question about the lab, email me directly. For general questions, post/reply to the particular lab's discussion in Canvas, there will be one for each lab. I will also post announcement reminders. Please ensure you have set up the canvas to receive notifications of these via email.

Academic Integrity: Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. For information on Georgia Tech's Academic Honor Code, please visit <http://www.catalog.gatech.edu/policies/honor-code/> or <http://www.catalog.gatech.edu/rules/18/>.

Health: Our labs will mostly be in-person and we expect all those involved to be considerate and responsible regarding your health and safety. If you are unwell, please email your instructor and rest at home. It is recommended to wear a face mask and to practice social distancing keeping at least 6 feet of separation between yourself and others. Your safety, that of your families, and instructors are of the utmost importance, followed by a quality education. Please reach out if you have any specific concerns. More information on GT guidance with regards to face-coverings and other COVID-related information is available at: <http://health.gatech.edu/coronavirus/students>

Students with Disabilities: If you are a student with learning needs that require special accommodation, contact the Office of Disability Services at (404)894-2563 or <http://disabilityservices.gatech.edu>, as soon as possible, to make an appointment to discuss your special needs and obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Evaluation

Grading: The laboratory section of this course comprises 20% of your total grade. Each lab will be worth 100 points. The lowest lab grade at the end of the semester will be dropped. No final grade will be independently assigned for your labs but will make up a part of your overall course grade as explained above. All lab materials will be posted on Canvas on the day of the scheduled lab and due before the next lab session. Deadlines will be set in Canvas. There is **NO** lab final.

Attendance: All labs will be held in person (Kendeda 298) and your attendance is expected. After 15 minutes from the start of the lab, you may be considered absent.

Absences: Email your instructor in advance if you cannot attend a lab. Only excused absences will be allowed to complete the make-up labs at the end of the semester. If for some reason you cannot submit the lab by the due date, it will be graded as a 0. No late lab will be accepted without an excused absence. Please remember that in all serious situations including COVID-19 illness (family emergency, serious illness, etc.), you should go to the Dean of Students as they are there to help you in these cases (<http://www.deanofstudents.gatech.edu>).

Group Work: Cooperative work groups are permitted with discussion encouraged. However, each student is still responsible for their own work and will complete a separate lab in their own words. Copying other students' work does not assist learning and is not permitted. The use of previously submitted work or old answer keys as a direct resource is strictly forbidden. It is strongly recommended to use online tools for any sort of group work.

Field Trips: We are planning 3 field trips throughout the semester, one being held outside of the regular class time in which attendance will be optional if you have a conflict (**tentatively: Saturday, November 16th**). More details will be provided closer to these field trips, but please reach out with any concerns.

Lab Schedule

| No. | Topic | Date |
|-----|--|-------------------|
| 00 | <i>No labs first week of school</i> | <i>Aug 19</i> |
| 01 | Plate Tectonics | Aug 26 |
| | <i>No labs: Labor Day</i> | <i>Sept 02</i> |
| 02 | Mineral Properties | Sept 09 |
| 03 | Geologic Mapping | Sept 16 |
| 04 | Earthquakes and Tsunamis | Sept 23 |
| 05 | Rock Properties | Sept 30 |
| 06 | Geologic Field Guides | Oct 07 |
| | <i>No labs: Fall Break</i> | <i>Oct 14</i> |
| | <i>No labs: SSA meeting</i> | <i>Oct 18</i> |
| 07 | <i>Atlanta Geology (Field Trip)</i> | Oct 28 |
| 08 | Geologic Time | Nov 4 |
| | Makeup Lab Day | Nov 11 |
| 09 | <i>Arabia Mountain (Field Trip)</i> | Nov 16 (Saturday) |
| 10 | Surface Water Hydrology | Nov 18 |
| 11 | <i>Physical/Chemical Weathering (Field Trip)</i> | Nov 25 |
| | Makeup Lab Day | Dec 02 |

**This schedule is tentative and subject to change.*