

Geographical Analysis Lab – GEOG 3020

Syllabus – Spring 2022

Lab Location: GC 1825

Lab Sections:

002: Tuesday 10:45am – 11:35am

003: Tuesday 12:55pm – 1:45pm

004: Thursday 10:45am – 11:35am

Teaching Assistant: Jiuying (Jasmin) Han, M.S.

Contact Information: jiuying.han@utah.edu

Office Hours: Tuesday 11:35 AM-12:55 PM, and Friday 1:00 PM – 3:00 PM, GC 1825

Lab Goals:

To apply methods and analysis techniques learned in lecture to real-world data and situations. Lab assignments will include practice problems associated with concepts covered in lecture, utilization of software packages for examples of statistical analysis often used in geographical research, and interpretation of statistical test results.

Learning Outcomes:

Students will be able to conduct statistical analyses on geographical problems, both manually and using employed software packages, and correctly interpret results.

Lab Format:

The lab sections are an opportunity for you to apply the knowledge you gain through lectures and reading, and are designed to give you a practical, hands-on experience. Each lab section will begin with an introduction to the assignment, with relevant software processes covered when necessary. The rest of the lab time will be available to work on the assignment.

However, because lab sessions are limited to only 50 minutes, students should plan on working outside of lab to complete their assignments.

You are encouraged to help your neighbors if they run into technical problems that you can address; BUT, each person is responsible for completing their own work. For example, you can tell someone how to apply a function within the software, but make sure you let them implement the solution (i.e. let them drive the mouse). File sharing is NOT allowed and constitutes academic misconduct according to University standards. Please talk with me if you have concerns about what is (or isn't) legitimate peer assistance.

Please provide the calculations you have taken to solve a problem. Partial credit may be assigned for demonstrating the steps taken to arrive at your solution.

If you feel that you need additional assistance, I am available during office hours each week. If you are unable to make office hours, individual appointments outside of office hours can be made via email.

Assignments:

There are 12 assignments in this course. **Assignments are due to Canvas by 9:00 am one week from the day they are assigned.** Labs submitted late will lose 10% of their value each day they are late. Assignments submitted > 1 week past due date receive zero credit. Labs that have been wholly or partially plagiarized will receive a score of zero.

One (1) lab extension will be granted to an assignment (Lab 12 is not available for an extension). Extension will only be granted if you notify me by email 1 day in advance. Your extension is applicable to only one lab and subsequent labs are still due at 9:00 am.

It is advised to bring your textbook to lab as many of the formulas, and critical value tables, used to complete the assignments are in your textbook.

If you have special circumstances that will lead to missing multiple due dates (e.g. military service, prolonged illness, etc.) accommodations may be made, but you will be required to provide appropriate documentation and must provide notification in advance.

Please take the time to read through any feedback on your graded assignments. It is your responsibility to make sure there are no errors with your reported lab scores. If you find a discrepancy, please bring it to my attention as soon as possible.

Attendance:

If you feel that you are capable of completing the lab assignments without my assistance, you are welcome to do so on your own time. However, you are still responsible for all information covered during labs, and you are still required submit assignments by the 9:00 am deadline. It is strongly suggested that you attend at least the first few minutes of each lab to receive any important announcements.

CSBS Computer Labs:

The following computer labs are available for student use, but please be aware of posted class schedules so you do not interrupt classes in progress. Please note that food and drink are not allowed in the computer labs.

AEB 330: 41 Windows workstations

Beh S 115: 41 Windows workstations

GC 1825: 41 Windows workstations

GC 1855: 41 Windows workstations

Check the CSBS Computing website for additional information about the [Open Student Labs](#).

General Computer Guidelines:

All instructions, data, etc., necessary to complete the lab will be available in the weekly modules on [Canvas](#).

Students can save their work on their personal CSBS network drive, listed as the N: Drive on CSBS

computers. HOWEVER, it is highly recommend that you backup your work on an external storage device in addition to saving your work on the network drives (this is a good practice for any class). Network drives have failed in the past and it can take several days to recover data. Such an occurrence will NOT be an acceptable excuse for turning work in late. Saving often and backing up data is a very important practice in any academic field.

Keep in mind, when saving to your network drive, that CSBS computing has implemented data storage limits of 20 GB for geography student accounts. When you near your storage limit, you will receive a warning message. If you go over your limit, you may be locked out of the system. As with data loss, insufficient storage space will NOT be an acceptable excuse for turning work in late. It is your personal responsibility to monitor your disk space! This is especially important for students enrolled in several lab-based classes (i.e. GIS, remote sensing). If you find that you are continually running up against storage limits, you can request additional disk space. Questions about quotas and other technical difficulties can be addressed through the CSBS Computing [Helpdesk](#).

Many different students use the CSBS computer labs. Please protect your accounts by making sure you LOG OFF every time you finish using the computer. Also, be aware that the CSBS computers will automatically log you out after approximately 15 minutes of idle time – keep this in mind if you decide to take a break.

Additional Information

Scheduling Conflicts: Please speak with the instructor within the first two weeks of class regarding any known conflicts you may have with the course schedule.

Academic Integrity: The University of Utah is committed to nurturing academic excellence, truth, honesty, and personal integrity. The faculty expects all students to maintain high ethical standards. Academic misconduct will not be tolerated. Penalties may include failure of an assignment, or possibly the entire course, and the filing of formal charges with appropriate university authorities. Academic misconduct includes, but is not limited to, cheating, misrepresenting one's work, and plagiarism:

As stated in the [Student Code](#); "Academic misconduct' includes, but is not limited to, cheating, misrepresenting one's work, inappropriately collaborating, plagiarism, and fabrication or falsification of information, as defined further below. It also includes facilitating academic misconduct by intentionally helping or attempting to help another to commit an act of academic misconduct."

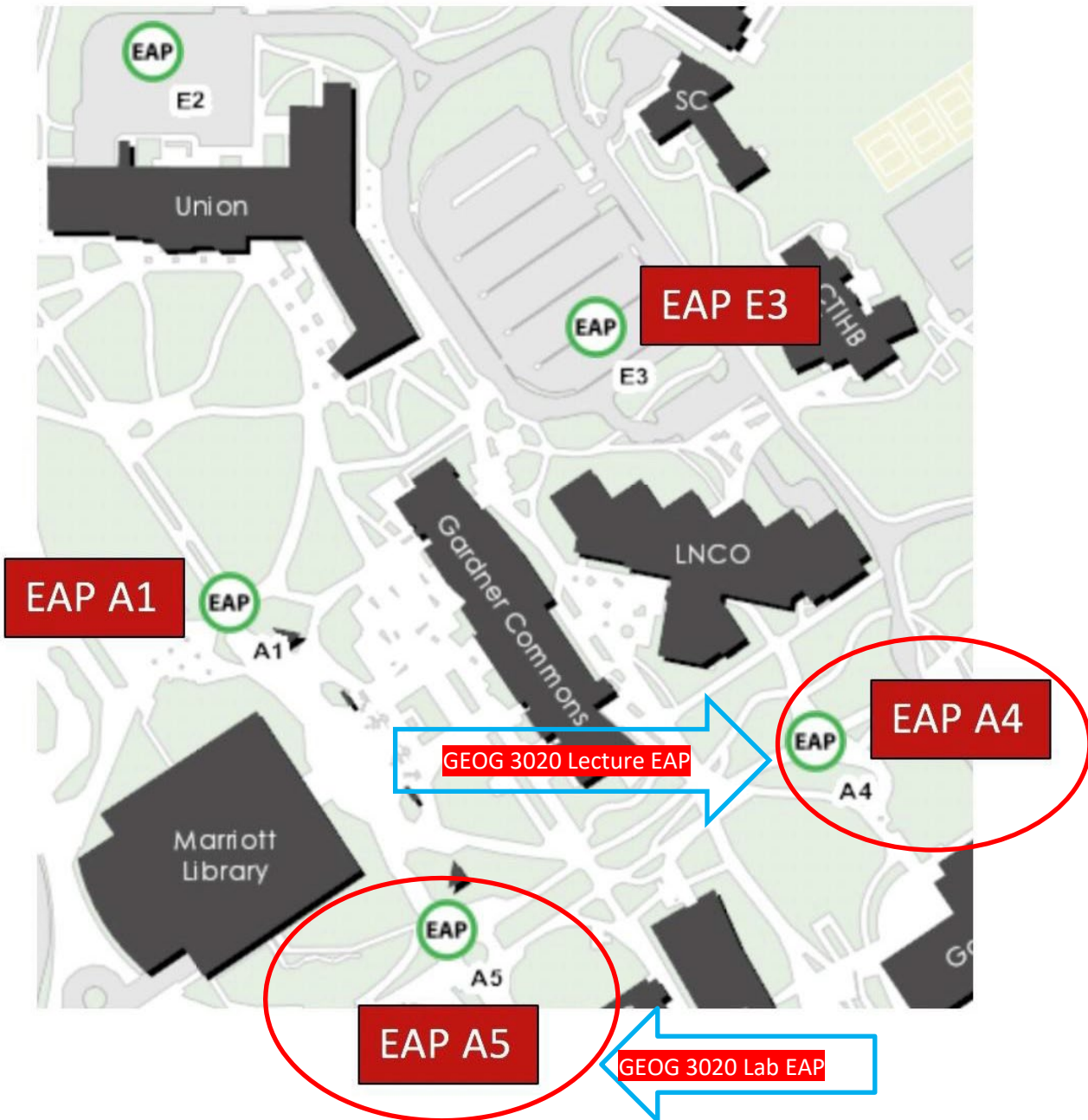
- "Cheating' involves the unauthorized possession or use of information, materials, notes, study aids, or other devices in any academic exercise, or the unauthorized communication with another person during such an exercise."
- "Misrepresenting one's work includes, but is not limited to, representing material prepared by another as one's own work, or submitting the same work in more than one course without prior permission of both faculty members."
- "Plagiarism' means the intentional unacknowledged use or incorporation of any other person's work in, or as a basis for, one's own work offered for academic consideration or credit or for public presentation. Plagiarism includes, but is not limited to, representing as one's own, without attribution, any other individual's words, phrasing, ideas, sequence of ideas, information or any other mode or content of expression."
- "Fabrication' or 'falsification' includes reporting experiments or measurements or statistical

analyses never performed; manipulating or altering data or other manifestations of research to achieve a desired result; falsifying or misrepresenting background information, credentials or other academically relevant information; or selective reporting, including the deliberate suppression of conflicting or unwanted data. It does not include honest error or honest differences in interpretations or judgments of data and/or results.”

This course has a zero-tolerance policy for academic misconduct. For any coursework in which it is demonstrated that a student engaged in academic misconduct the resulting academic sanction will be a score of zero for the coursework. Additionally, the student will be required to meet with the academic advisor from the Department of Geography and/or your respective department, and the instance of academic misconduct will be entered into a university database. See the Student Code for additional information on academic sanctions.

Disability Accommodation: The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the [Center for Disability & Access](#), 162 Olpin Union Building, 801-581-5020. CDA will work with you and the instructor to make arrangements for accommodations. All written information in this course can be made available in alternative format with prior notification to the Center for Disability & Access.

Emergency Assembly Point for Lecture and Lab



Safety & Wellness

Your safety is our top priority. In an emergency, dial 911 or seek a nearby emergency phone (throughout campus). Report any crimes or suspicious people to 801-585-COPS; this number will get you to a dispatch officer at the University of Utah [University Safety Department](#) (USD). If at any time, you would like to be escorted by a security officer to or from areas on campus, USD will help — just give a call. For more information regarding safety and to view available training resources, including helpful videos, visit [SAFEU](#).

The University of Utah seeks to provide a safe and healthy experience for students, employees, and others who make use of campus facilities. In support of this goal, the University has established confidential resources and support services to assist students who may have been affected by harassment, abusive relationships, or sexual misconduct. A detailed listing of University Resources for campus safety can be found on the Office of the Registrar's [Campus Safety / Responding to Harassment](#) page.

Your well-being is key to your personal safety. If you are in crisis, call [Community Crisis Intervention & Support Services](#) at 801-587-3000; help is close.

The university has additional excellent resources to promote emotional and physical wellness, including the [Counseling Center](#), the [Wellness Center](#), and the [Women's Resource Center](#). Counselors and advocates in these centers can help guide you to other resources to address a range of issues, including substance abuse and addiction.

COVID-19 Guidelines

University leadership has urged all faculty, students, and staff to **model the vaccination, testing, and masking behaviors** we want to see in our campus community.

These include:

- Vaccination
- Masking indoors
- If unvaccinated, getting weekly asymptomatic coronavirus testing

Vaccination

- **Get a COVID-19 vaccination** if you have not already done so. Vaccination is proving highly effective in preventing severe COVID-19 symptoms, hospitalization and death from coronavirus. Vaccination is the single best way to stop this COVID resurgence in its tracks.
- Many in the campus community already have gotten vaccinated:
 - More than 80% of U. employees
 - Over 70% of U. students
- Visit [MyChart](#), [Campus Alert-Vaccine](#), or [Vaccines.gov](#) to schedule your vaccination.

Masking

- While masks are no longer required outside of Health Sciences facilities, UTA buses and campus shuttles, CDC guidelines now call for everyone to wear face masks indoors.
 - Check the [CDC website](#) periodically for masking updates
 - Treat masks like seasonal clothing (i.e. during community surges in COVID transmission, masks are strongly encouraged indoors and in close groups outside).

Testing

- If you are not yet vaccinated, get weekly asymptomatic coronavirus tests. This is a helpful way to protect yourself and those around you because asymptomatic individuals can unknowingly spread the coronavirus to others.
 - Asymptomatic testing centers are open and convenient:
 - Online scheduling Saliva test (no nasal swabs)
 - Free to all students returning to campus (required for students in University housing)

- Results often within 24 hours
- Visit [Campus Alert-Testing](#)
- **Remember: Students must self-report if they test positive for COVID-19** via [COVID-19 CENTRAL @THEU](#).

Note: The syllabus is not a binding legal contract. It may be modified by the instructor when the student is given reasonable notice of the modification, particularly when the modification is done to rectify an error that would disadvantage the student.