

# Geography 101-Lab- The Natural Environment Lab



UNIVERSITY of HAWAII\*  
**WINDWARD**  
COMMUNITY COLLEGE

## Fall 2022

Asynchronous Online(CRN: 63386.FA22)

**INSTRUCTOR:** William Smith  
**OFFICE:** Na'auao 127  
**OFFICE HOURS:** W: 3:30pm–4:30pm; Th 6:00pm-7:00pm & by appointment  
**TELEPHONE:** Cell 808-561-3692 **EMAIL:** wsmith@hawaii.edu  
**EFFECTIVE DATE:** Fall 2022  
**Clickable Link for Zoom Personal Meeting Room (used throughout the semester):**  
<https://hawaii.zoom.us/j/3387093879>

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**NOTE:** If you have any questions about this course, please **call my cellphone** or e-mail me using my UH e-mail address (wsmith@hawaii.edu), Always include “**GEO 101 Lab**” in the subject field of your e-mail, so that I will notice it immediately. We can also have a zoom session in my Zoom Personal Meeting Room, which will allow us to share Laulima and online course information.

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### WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

*Windward Community College offers innovative programs in the arts and sciences and opportunities to gain knowledge and understanding of Hawai'i and its unique heritage. With a special commitment to support the access and educational needs of Native Hawaiians, we provide the Ko'olau region of O'ahu and beyond with liberal arts, career and lifelong learning in a supportive and challenging environment — inspiring students to excellence.*

### CATALOG DESCRIPTION

Analysis by use of maps, air photos, field and laboratory observation, and experimentation. Emphasis on Hawai'i and on human modification of environment. Required field trips during regular class hours.

### Activities Required at Scheduled Times Other Than Class Times

None This is an asynchronous online course, thus has no scheduled times.

### STUDENT LEARNING OUTCOMES

At the completion of the course, the student should learn to:

1. Apply the **scientific method** to study a physical environment: Define a problem for a study, gather and record data, analyze the data, arrive at appropriate conclusions, and report the findings in written form.

2. Use various **instruments**, such as a compass, GPS unit and thermometer, to gather environmental data.
3. Use the metric system, scientific notation, graphs, and geographic and basic statistical measurements.
4. Write a **lab report** using the standard scientific format.

## UH E-MAIL

Due to personal student information associated with email communications, **all emails** sent to me **must** be from your @hawaii.edu accounts. I will **not** respond to emails from your personal email addresses that are outside the @hawaii.edu domain.

## REQUIREMENTS COURSE SATISFIES

**At WCC:** Meets natural science laboratory course requirement (DY) Bio-Resources Development & Management Certificate

**At UH Manoa:** Meets DY requirement

## PREREQUISITES/COREQUISITES

Credit for or registration in GEO 101 (The Natural Environment)

## RECOMMENDED BASIC SKILLS LEVEL

Ability to read and write at a college level; math at college level

## LEARNING RESOURCES

**Required Lab manual:** [Zero Cost online Lab Manual](#) available on Lualima site)

**Recommended Textbook:** [Zero Cost Geography 101 Book](#) (Online Textbook) by Dennis Nullet

NOTE: This is the same online textbook used in the lecture for this course.

## Students Must Purchase Required Lab Materials:

1. **Digital infrared (IR) thermometer** to be used for two labs (Lab 5 & 6).

Typically, they measure temperatures in a range of about -50 °C to 400 °C. You can purchase one from an online seller like Amazon.com for around \$18. If you prefer, you can usually find an IR thermometer at a local hardware store, but it will cost around \$40. A laser pointer feature is not needed and not useful for our purposes.



## COURSE TASKS

Geography 101-L course, [The Natural Environment Lab](#) examines the Earth's Natural Environment. The structure and processes of major environments will be examined.

### Assignments:

It is assumed that you read and understand all the related part of the textbook in the co-requisite GEOG 101 Lecture course **before** each lab to be ready for lab exercise (see the class schedule attached). If you have taken the co-requisite GEOG 101 lecture before this semester, you have access to the recommended [Geography 101 Book \(Online Textbook\) by Dennis Nullet](#)

### Participation:

Participation in [class discussions](#) is **recommended**. There will be 13 discussion topics in the **Discussions** tab on Lulima. Discussions will relate to each of 12 labs. You can also set up a new topic.

The first discussion is "**Introduce Yourself**" in which you introduce yourself to the class. I believe this is important as we will work together as a group for the semester.

The other 12 topics are for 12 lab exercises.

## ASSESSMENT TASKS AND GRADING

### Student Evaluation:

There will be:

- One (1) Lab Format** quiz (quiz about the syllabus content and how this lab is operated) and
- Twelve(12) lab exercises**.

To take quizzes and upload or submit your lab write-ups, go to the "[Assignments Tests and Surveys](#)" tab on Lulima.

Grades are based on 1 quiz (**10 points**), and 12 labs (**20 points each**), each lab with equal weight (different number of questions). The labs will contain information, questions, internet links, measurement assignments, and other information and tasks.

Most labs require that you answer a series of questions and submit your written (typed) answers for grading in Lulima. I will grade them after the completion deadline passes. I usually start grading written labs on Mondays, but please be patient as it may take two or three days to grade them all.

For other labs, you will answer multiple choice questions through Lulima addressing the material. These are open book, untimed writeups, but they must be completed by the lab due date/time. Your score will be shown after the lab closing date.

**For write-up questions, they should not be left unanswered (blank). If you don't know the answer, then type in "I don't know" versus leaving blank.**

Labs are generally available two week before their final deadline and may be completed and turned in any time before the due date, meaning that you are welcome to work ahead of the deadlines if you wish. They **must**, however be completed by the closing deadline. **Late work will not be accepted.**

Also, some labs **will take more than one day** to complete (the weather lab takes a minimum of 4 days, for example), so read the requirements carefully and plan accordingly.

### GRADING SUMMARY

	Number	Points Each	Total Points
Lab Format	1	10	10
Labs	12	20	240
Total			250

Grade*	Range
A	90.0 – 100.0 %
B	80.0 – 89.9 %
C	70.0 – 79.9%
D	60.0 – 69.9%
F	< 60.0%

\* **IMPORTANT NOTE:** To earn an A, a **student must submit all 12 labs**. Each missed lab reduces the maximum grade possible according to the table below:

Labs Missed	Best Grade Possible
0	A
1	B
2	C
3 or more	F

**Grading uses the standard scale:**

**A:** 90.0-100.0%, **B:** 80.0-89.9%; **C:** 70.0-79.9%, **D:** 60.0-69.9%, **F:** 0-59.9%.

For Cr/NC options, Incomplete (“I” grade), and “W” grade, see the WCC College Catalog.

There is no “N” grade in this class.

**NOTE:** There is NO extra credit work.

### Secrets of Success: Two key factors are especially important

(1) **Self-motivation:** Because this is an online course, nobody will push you to do the work. Thus, self-motivation is a key factor of success in this course.

(2) **Communication:** You are not alone. Continuous and open discussion among all participants is strongly recommended. You can use the “Student Lounge” or “Class Discussion” pages available in Lulima to communicate with each other. Group work and corroboration is encouraged (i.e., help each other).

## COURSE CONTENT

### SCHEDULE

(all deadlines are **Sunday** nights)

(Some labs may be substituted with newer labs with as much notice as possible)

Lab	Content	Format	Deadline (11:59 p.m.)
	Quiz on the Lab Format (Syllabus)	Quiz	2 <sup>nd</sup> week
1	Location and Time	Quiz	3 <sup>rd</sup> week
2	Isoline Maps	Written	4 <sup>th</sup> week
3	Internet Search	Written	5 <sup>th</sup> week
4	Observation of the Natural Environment	Written	6 <sup>th</sup> week
5	Sunlight and Temperature ( <b>IR thermometer</b> )	Written	7 <sup>th</sup> week
6	Atmospheric Moisture ( <b>IR thermometer</b> )	Written	8 <sup>th</sup> week
7	Hawaii Weather Patterns ( <b>4 day observation</b> )	Written	9 <sup>th</sup> week
8	Ocean and Surf	Written	10 <sup>th</sup> week
9	Soil Water Infiltration	Written	11 <sup>th</sup> week
10	Hawaii Landforms	Quiz	12 <sup>th</sup> week
11	Geomorphology	Quiz	13 <sup>th</sup> week
12	Hawaiian Words	Quiz	14 <sup>th</sup> week
	Make-up deadline with valid excuse		During the week following due date

NOTE: Depending on the weather, this schedule may change without prior notice.

### Disabilities Accommodation Statement

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Accessibility Counselor to discuss reasonable accommodations that will help you succeed in this class. Roy Inouye can be reached at (808) 235-7448, royinouye@hawaii.edu, or you may stop by Hale Kāko‘o 106 for more information.

### SEX DISCRIMINATION AND GENDER-BASED VIOLENCE RESOURCES (TITLE IX)

Windward Community College is committed to providing a learning, working, and living environment that promotes personal integrity, civility, and mutual respect and is free of all forms of sex discrimination and gender-based violence, including sexual assault, sexual harassment, gender-based harassment, domestic violence, dating violence, and stalking.

If you or someone you know is experiencing any of these, WCC has staff and resources to support and assist you. To report an incident of sex discrimination or gender-based violence, as well as receive information and support, please contact one of the following:

Madoka (Doka) Kumagai, Confidential Advocate  
 Phone: (808) 348-0663 (cellular)  
 Phone: (808) 956-6084 (office)  
 Email: [kumagaim@hawaii.edu](mailto:kumagaim@hawaii.edu)

Desrae Kahale, Mental Health Counselor & Confidential Resource  
 Phone: (808) 235-7393  
 Email: [dkahale3@hawaii.edu](mailto:dkahale3@hawaii.edu)  
 Office: Hale Kāko‘o 101

Karla K. Silva-Park, Title IX Coordinator  
 Phone: (808) 235-7468  
 Email: [karlas@hawaii.edu](mailto:karlas@hawaii.edu)  
 Office: Hale ‘Ākoakoa 220

As a member of the University faculty, I am required to immediately report any incident of sex discrimination or gender-based violence to the campus Title IX Coordinator. Although the Title IX Coordinator and I cannot guarantee confidentiality, you will still have options about how your case will be handled. My goal is to make sure you are aware of the range of options available to you and have access to the resources and support you need.

For more information regarding sex discrimination and gender-based violence, the University’s Title IX resources and the University’s Policy, Interim EP 1.204, go to [manoa.hawaii.edu/titleix/](http://manoa.hawaii.edu/titleix/)

## ACADEMIC INTEGRITY

Work submitted by a student must be the student’s own work. The work of others should be explicitly marked, such as through use of quotes or summarizing with reference to the original author.

In this class, students who commit academic dishonesty, cheating or plagiarism will have the following consequence(s):

Students will receive a failing grade for plagiarized assignments.

All cases of academic dishonesty are referred to the Vice Chancellor for Student Affairs.

## ALTERNATE CONTACT INFORMATION

If you are unable to contact the instructor, have questions that your instructor cannot answer, or for any other issues, please contact the Academic Affairs Office:

Location: Alakai 121  
 Phone: 808-235-7422  
 Email: [wccaa@hawaii.edu](mailto:wccaa@hawaii.edu)

## Additional Information

### Legal assumptions:

It is hereby assumed that you will strictly follow all and any reasonable procedures/ethics, etc. that are enforced in this academic institution. Refer to the Student Conduct Code (<http://www.hawaii.edu/apis/ep/e7/e7208.pdf>) for the details.

Last revised August 14, 2022