

Earth Systems Science II Lab
PGEOG 25100 Lab
Section 1L01: Monday 1:30-2:20 pm
Section 1L02: Thursday 1:30-2:20 pm
North Bldg 1090B-2 (both sections)

General Information:

Instructor: Geoffrey Fouad, PhD
Email: geoffrey.fouad@hunter.cuny.edu
Office hours: Monday and Thursday 12:50-1:20 pm
Office: North Bldg 1044

Meeting Information:

Labs are in person. **If you do not attend, you will not receive help out of class time.**

Course Description:

Practical, hands-on inquiry of concepts you learn in Earth Systems Science II lecture.

Prerequisites: PGEOG 25000 or 38352

Course Goals: You learn to:

- (1) Apply “systems thinking” in the context of the earth system, a relevant mode of inquiry in many disciplines, including Earth science and environmental studies.
- (2) Conduct quantitative analysis which can be extended to other coursework (see your senior capstone) and professional work.
- (3) Assess broad areas of inquiry in the Earth sciences which you may want to investigate at more depth (once more see your senior capstone project).

Required Material:*Reading*

- Please find required reading in the accompanying lecture of this lab

Computer lab

- This refers both to a physical space (North Bldg 1090B-2) and our lab assignments to be completed on computers in that space. To maintain access to the computer lab, **there is no eating or drinking (lab policy)**. The lab assignments are completed using a variety of software for environmental analysis and simulation, including STELLA®. No prior experience in that software is required, but you should have a basic understanding of how to work the Windows operating system and Microsoft Word and Excel

Blackboard

- The course is administered on Blackboard (see <https://hunter.cuny.edu/information-technology/services/accounts-access/blackboard/>)

Grading:

The lab is 30% of your final grade in PGEOG 25100.

Computer labs	Due approximately every two weeks	100% (6 at 20% each*)
---------------	-----------------------------------	-----------------------

*Your top five grades are used to calculate your final lab grade

See the final grade policy for PGEOG 25100 in the lecture syllabus (a separate letter grade is not issued for lab).

Late assignments are not accepted because you have at least two weeks to complete each lab.

No assignments accepted after the last lab date.

Group work: You are encouraged to work collaboratively in groups to complete computer labs, but you need to complete the work yourself and submit your own files (i.e., please no copy-pasting from each other). This will be obvious and reported to the Office of Academic Integrity.

Computer labs

- The entire weight of your grade in lab consisting of six labs of quantitative analysis and environmental simulation by which you gain technical skills and an understanding of how systems work in quantitative terms. Your top five grades are used in the calculation of your final lab grade in which each lab accounts for 20% of your grade.

Academic Integrity:

Academic dishonesty (e.g., plagiarism) is a serious offense in regards to academic integrity which defeats the purpose of a college education. As such, this course enforces the “CUNY Policy on Academic Integrity” and applies Hunter’s procedures of “Academic Integrity.”

Accommodations:

In compliance with the American Disability Act, Hunter College is committed to ensuring educational parity and accommodations for students with documented disabilities and/or medical conditions. It is recommended that students with documented disabilities (e.g., emotional or physical) consult the Office of AccessABILITY to secure necessary academic accommodations (see <https://hunter.cuny.edu/students/health-wellness/accessibility/>).

Sexual Misconduct:

Sexual misconduct, and more broadly harassment of any variety, is not tolerated, and will be referred to the appropriate compliance office for review. You are urged to refer misconduct to Hunter’s Title IX Campus Coordinator, Dean John Rose (john.rose@hunter.cuny.edu), or see <https://www.hunter.cuny.edu/diversityandcompliance/title-ix>, and seek complimentary (free) assistance at <https://hunter.cuny.edu/students/health-wellness/counseling-and-wellness-services/>.

Diversity, equity, inclusion, and pronouns:

We live in a diverse world in which our diversity should be celebrated. Please notify me of your correct pronouns, and understand that our classroom is an inclusive environment where each of us can come together to learn.

Class Policies: The following policies are in place to help you learn.

- (1) Do not copy-paste from classmates (you will not learn doing this)
- (2) During class time, let’s focus and limit distractions of any kind
- (3) Please be on time and treat others respectfully
- (4) Complete reading from lecture before class (this will help you finish labs faster)
- (5) Learn by doing and please ask questions (be inquisitive!)

Schedule: This schedule is subject to change.

Monday (1L01)	Thursday (1L02)	Subject	Deadlines
1/29	1/25	Lab 1:S-shaped growth	Drop at 75% refund (1/31)
2/5	2/1	Lab 1 (continued)	
2/22	2/8	Lab 2: Stochastic processes	Lab 1
2/26	2/15	Lab 2 (continued)	
2/28	2/29	Lab 3: Biodiversity	Lab 2
3/4	3/7	Lab 3 (continued)	
3/11	3/14	Lab 3 (continued)	
3/18	3/21	Lab 4: Chemistry	Lab 3
3/25	3/28	Lab 5: Climate change	
4/1	4/4	Lab 5 (continued)	Lab 4
4/8	4/11	Lab 6: Statistics	Lab 5
4/15	4/18	Lab 6 (continued)	
5/6	5/2	Presentations (Lab 5)	Lab 6
5/13	5/9	Presentations (continued)	Withdrawal (5/15)

Follows Monday schedule