

# GEOGRAPHY 100 Winterim 2022 3 cr. (NS, ER) Dr. Neil C. Heywood

## “HUMAN IMPACTS ON THE PHYSICAL ENVIRONMENT”

Lecture 02: 100% on-line [Heywood]

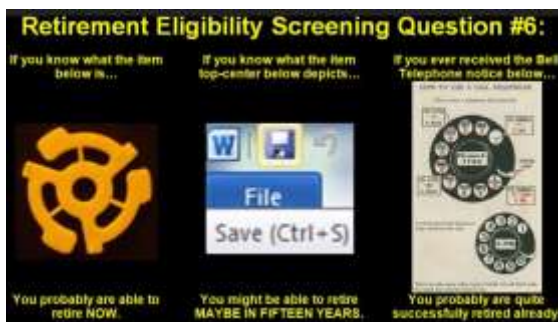
Laboratory 02L1: 100% on-line [Heywood]

**READ AND RETAIN THIS SYLLABUS!**

Office: off-campus

Office Hours: on-line

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"To know a thing is without value, unless one is given also the ability to apply it."  
— Cyrus the Great [of Persia], 546 B.C.

"The essence of knowledge is its application."  
— Confucius [Chou Dynasty, China], ca. 525 B.C.

"History is a consort to Geography, but Physics underlies all Science."  
— Immanuel Kant, 1791 AD

"...[know?] where to go..." — Lennon and McCartney, 1969 AD

**TEXT:** None. All course materials are available at [Canvas](#) at no extra cost. There are no bookstore purchases or rentals. Download your own copies; **do not live-stream!**

**LAB MATERIALS:** None. All materials and content are available on-line at [Canvas](#). **You will need campus standard load.** Contact the Information Technology Help Desk (714-346-4357) for free installment.

**ATTENDANCE/GRADES:** I will not record your attendance; on-line tests verify your participation. Check the current grade sheets that I e-mail to ensure the accuracy of your quiz/exam scores in my bookkeeping. Page 3 of this syllabus enables you to check your grade. **I cannot accept enrollment above 40 registrants. Download everything,** for when (not if) the UW delivery systems fail.

I have been ordered to communicate with you **only** via University e-mail. This is subject to Open Records Law, so be careful of what you say in response. Anybody requesting it can read ours.

<b>GRADE COMPOSITION:</b> Exam 1 – due W13JAN .....	25%
Exam 2 – due S16JAN .....	25%
Exam 3 – due F22JAN .....	25%
Labs: five 5% quizzes (see calendar next page) .....	25%

There has been considerable confusion regarding my availability. **Use my e-mail as office hours.** Also, success in life does not come by “extra credit”; there shall be **NO** personal extra credit in GEOG 100.

**I expect you to do your assigned readings;** you can read ours well within this University's expectation for "two hours of study time for each hour of class time". **I focus Exams upon the topics that I cover in lecture. Quizzes cover lab topics. Exams and quizzes are NOT cumulative.**

**ADDITIONAL:** Please review [Rights and Responsibilities](#) within the UWSP campus community. I adhere to it; so should you. Audio commentary is embedded within each PowerPoint; use *Windows 16*.

**LEARNING OUTCOMES:** Upon completion of this course, GEOG 100 students should understand:

- the workings of the atmosphere, biosphere, hydrosphere, and lithosphere.
- principles of the scientific method as it pertains to the natural, physical world.
- the relevance of environmental science to their lives and society, and competing claims.
- scientific concepts, quantitative techniques and methods, and geospatial technologies for solving environmental problems and making decisions that affect the natural world.



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**GEOG 100-02 [Heywood] Winterim 2022 CALENDAR**

M=Monday T=Tuesday W=Wednesday R=Thursday F=Friday S=Saturday

DATE	LECTURES	ON-LINE POWERPOINTS	DATES	LAB#	TOPIC
Day 1	Introduction	00Elephants_excised	M04JAN	1	Ecological Footprints
Day 2	Sustainability	01Sustainability; Pernin	<b>M04JAN</b>	-	<a href="#">Return Canvas survey</a>
Day 3	Human Population	02Human_Populations	T05JAN	2	Human Populations
			<b>W06JAN</b>	<b>QUIZ 1</b>	<a href="#">Submit via Canvas by 11 PM</a>
Day 4	Science Principles	03Science_Principles			
Day 5	BioChemical Cycles	04BioChemical_Cycles	R07JAN	3	Carbon Cycles
Day 6	Air Circulation	05Atmospheric_Circulation	<b>F08JAN</b>	<b>QUIZ 2</b>	<a href="#">Submit via Canvas by 11 PM</a>
Day 7	Climates	06Climates	T12JAN	4	Climate Change
Day 8	Climate Change	07AirQuality,08Biomes	<b>W13JAN</b>	<b>QUIZ 3</b>	<a href="#">Submit via Canvas by 11 PM</a>
			<b>W13JAN</b>	<b>EXAM 1</b>	<a href="#">Submit via Canvas by 11 PM</a>
<b>See below for more Winterim</b>					
Day 9	Biosphere	09Succession, 10Biodiversity	R14JAN	5	Biogeography
Day 9	Soils	11Soils			
Day 10	Soil Degradations	11Soils	F15JAN	6	Soils
Day 10			<b>F15JAN</b>	<b>QUIZ4</b>	<a href="#">Submit via Canvas by 11 PM</a>
Day 11	Lithosphere Resources	12Geological_Systems	<b>S16JAN</b>	<b>EXAM 2</b>	<a href="#">Submit via Canvas by 11 PM</a>
Day 11	Lithosphere Processes	12Geological_Systems	M18JAN	7	Mineral Resources
Day 12	Running Water	13Water_Resources	W20JAN	8	Water Resources
Day 13	Glacier Implications	13Water_Resources			
Day 14	Energy Implications	14Energy	<b>F22JAN</b>	<b>QUIZ5</b>	<a href="#">Submit via Canvas by 11 PM</a>
Day 15	Societal Relevance	Reflect upon all this			
<b>F22JAN</b>	<b>On-line</b>	<b>EXAM 3</b>	<b>F22JAN</b>	<b>EXAM 3</b>	<a href="#">Submit via Canvas by 11 PM</a>

You may find some additional web links useful, beyond this course. I frequently receive requests for these later.

[News](#)  
[Scholarships](#)

[WI Road Conditions](#)  
[Wisconsin Job Center](#)

[free Adobe Reader](#)  
[Federal Employment](#)

**ID#:** Since so many people in the past have proven unable to comprehend my former "Class ID#", I will now report scores using your UW-System ID#, as printed on your ID card (these should appear as "STPxxxxxxx").

**This will be my final Winterim at UWSP. Beyond that, I will not be available to finish Incomplete grades. Like skydiving, heart surgery, and nuclear hand grenades—there are no second chances. Do it correctly the first time !**



**TESTS:** All tests are on-line, open-book, and collaborative (each of you must submit your own answers, however). Effectively utilizing reference resources and working with other people are life skills, vastly more valued by society than merely reciting some memorized list. This is an applied course; do not expect mere recitation on tests. It is necessary, but not sufficient, to know facts and methods. You must demonstrate that you can use these to solve problems ("Critical Thinking"). Some common test-taking mistakes to avoid (a mistake is an error that shouldn't have happened): [Hear also "GEOG100-105 Test-taking W2017OCT11.mp3".]

- 1) READ EVERY ANSWER OPTION before selecting one. Sometimes a choice later in the list is better than the one you've tentatively selected. Your task is to select the best answer.
- 2) PAY ATTENTION TO EMPHASIZED TERMS (*italic*, CAPITALIZED, and/or **boldface**). I emphasize to draw your attention to key details. If a key term throws you, check related questions for clues.
- 3) CORRECTLY SELECT YOUR CHOICE. Do not assume that the correct answer ON-LINE corresponds with the preview option letter; the ON-LINE answer sequence often varies. DO NOT ASSUME THAT THERE IS A PATTERN to the sequence of answers—there isn't one! Whether or not the same letter already was correct for several consecutive past questions has absolutely no bearing on the answer to the next question.
- 4) Be sure to click "SUBMIT" (not just the "SAVE") button after selecting answers for all questions. "SAVE" preserves answers for you, but only "SUBMIT" sends those answers to me. Welcome to the joys of UW-System Canvas.
- 5) AVOID CHANGING ANSWERS. Your first guess is usually your best. Trust your "hunches", because your subconscious often holds answers that you can't recall directly. The guiding rule is *change no answer unless you can clearly justify it to yourself*.
- 6) TREAT EVERY MULTIPLE CHOICE QUESTION FIRST AS THOUGH IT IS A FILL-IN-THE-BLANK. Only after you have thought of an answer should you compare it with the choices offered.
- 7) IF THERE IS A "MULTIPLE-OPTION" ANSWER CHOICE (e.g., "A and B"), EVALUATE EACH ANSWER CHOICE AS THOUGH IT IS TRUE/FALSE.

**CURVES:** I curve each exam and lab quiz by my "70% Rule"; if over 70% of you miss a particular question, I return all but one point to those who missed it. Also, I weight your course score relative to that of the highest performer for this class. Check your scores periodically, and use the form below to determine "what I need to get..." **Use % scores to calculate.**

QUIZ 1 =	>=89.5 & <92.5 = A- >=79.5 & <82.5 = B-	>=92.5% = A >=82.5 & <87.5 = B	There is no A+ at UWSP >=87.5 & <89.5 = B+
QUIZ 2 =	>=69.5 & <72.5 = C- <57.5 = F	>=72.5 & <77.5 = C >=57.5 & <67.5 = D	>=77.5 & <79.5 = C+ >=67.5 & <69.5 = D+
QUIZ 3 =	EXAM I =	There is no D- at UWSP	There is no F+ at UWSP
QUIZ 4 =	EXAM II =	[A] QUIZ SUBTOTAL*.05 =	[D] HIGHEST SCORE IN CLASS =
QUIZ 5 =	FINAL =	[B] EXAM SUBTOTAL*.25 =	[E] YOUR % SCORE (([D]/[E])*100 =
QUIZ SUBTOTAL =	EXAM SUBTOTAL =	[C] YOUR TOTAL [A]+[B] =	[F] (E - ((E - target score)/remaining ratio))

**NEEDED SCORE = (E - ((E - target score)/remaining ratio))**

Example: you desire 82.5% (minimum for a B) = (79.8 - ((79.8 - 82.5)/.50)) [note: retain signs]

- a. remaining ratio is the decimal ratio proportion of the course grade still to be earned.
- b. Use a higher grade's lower threshold as target to figure what you need to go up. (Target>E)
- c. Use a lower grade's upper threshold as target to figure what keeps you above it. (Target<E)
- d. Highest total score in class (to date) I shall provide to you with each e-mailed test report.

Refer to the base maps below; a similar North America, World, and/or Wisconsin map (without the labels) will appear on all tests. You will need to know (or find) the location of all fifty USA states, Mexico's border states, and Canada's provinces. Furthermore, you should note, and take the time to learn before these tests, all world and Wisconsin places that I mention in lecture or lab.





## GEOGRAPHY: where it's at, why it's there, what it means



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