

“THE DYNAMIC EARTH”

Lecture 1: TR 8-8:50; Sci A201 [Heywood]

Lecture 2: on-line

Laboratory Sections: [Heywood]

#01L1 ... on-line

#01L2 ... T 11-12:50; Sci B338

#02L1 ... on-line

Office: Science D333

Office Hours: on-line; or by appt

e-mail: nheywood@uwsp.edu

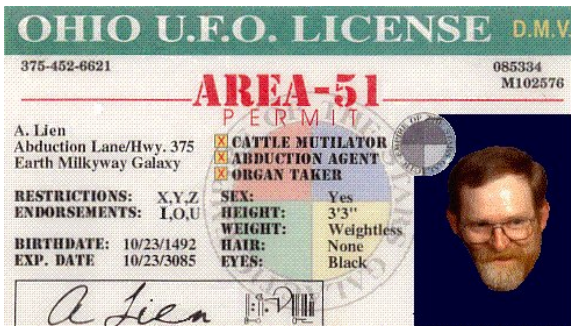
READ AND RETAIN THIS SYLLABUS!

"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: There is no textbook for this course; **NO bookstore purchases!** All materials are on [Canvas](#), or at my [external back-up site](#) (no tests there, however).

LAB MANUAL: There is no lab manual for this course. All lab exercises are available on [Canvas](#).

GRADE COMPOSITION: Exam I – due S05OCT	25%
Exam II – due S09NOV	25%
Exam III – due Tuesday 17DEC	25%
Labs: five 5% quizzes (see calendar next page)	25%

ATTENDANCE/GRADES: Except while enrolling waiting-list applicants during the first week, I usually do not record your presence at lecture or lab. Lecture and lab notes can verify your attendance. Check the current grade sheets in [Canvas](#) to ensure the accuracy of your quiz/exam scores in my bookkeeping. The last page of this syllabus enables you to check your grade.

There has been considerable confusion regarding my availability. Another class immediately follows ours, so **AFTER LECTURE IN B328 IS NEVER PERSONAL CONSULTATION TIME. Use my office hours.** Also, success in life does not come by “extra credit”; there will be **NO** personal extra credit in 105.

I expect you to do your [Canvas](#) readings; you can read them well within this University's expectation for "two hours of study time for each hour of class time". This especially includes **PRE-reading** the background discussion in the lab exercises **before** coming to each lab. My role is not to recite your text to you, and so during each class *I will usually expand beyond the material that exists in your readings*. These still count! I do draw some exam questions from the text and lab materials, but **I focus exams on the topics that I cover in lecture. Quizzes cover lab topics. Exams and quizzes are NOT cumulative.** If you must miss class or lab due to athletic events or other classes' field trips, please notify me **TWO WEEKS** in advance so that I can arrange to make the material available to you. You may **NOT** take the final test before its scheduled date.

ADDITIONAL: Please review [Rights and Responsibilities](#) within the UWSP campus community. I adhere to it; so should you.

LEARNING OUTCOMES: Upon completion of this course, GEOG 105 students should be able to:

- explain basic underlying processes that create patterns of weather and climate.
- explain basic physical processes that create and modify various landforms.
- explain basic hydrological cycle and its impacts on weather and climate, plant and animal distributions, rivers, and landforms affecting Wisconsin.
- explain basic location and characteristics of biomes, and interpret the distribution, origin, form, population, habitat, and human significance of natural organisms affecting Wisconsin.

GEOG 105-1/2 [Heywood] FALL 2019 CALENDAR

Do not purchase the lab manual intended for other GEOG 105 sections.

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

DATE	LECTURES	POWERPOINTS	LABS	TOPIC
T03SEP	Introduction Air Structure/Material Insolation Temperature Pressure/Wind Hydrologic Cycle Cyclones/Fronts Storm, Fire, and Ice Köppen Climates	GEOG 105_00 GEOG 105_01 GEOG 105_02 GEOG 105_03 GEOG 105_04 GEOG 105_05 GEOG 105_06 Bioclimate_Calculator GEOG 105_07	T03SEP LAB01 S07SEP Survey T10SEP LAB02 S14SEP QUIZ 1 T17SEP LAB03 T24SEP LAB04 S28SEP QUIZ 2	Sunlight Return "Quiz test" by Saturday Temperature/Pressure-Wind Submit via Canvas by 5 PM Moisture Weather Maps/video Cyclone Submit via Canvas by 5 PM
T01OCT	Effective Moisture Soil Properties Biotic Tolerance Biotic Ranges Biotic Relocations Forests Arid Ecosystems Arid Ecosystems Endangerment	GEOG 105_08 GEOG 105_09 GEOG 105_10 GEOG 105_11 GEOG 105_12 GEOG 105_08 GEOG 105_08 GEOG 105_08 GEOG 105_13	T01OCT LAB05 S05OCT EXAM I T08OCT LAB06 T15OCT LAB06 S19OCT QUIZ 3 T22OCT - T29OCT LAB07	Köppen Climates Submit via Canvas by 5 PM Soil Moisture Properties NPP & Decay Submit via Canvas by 5 PM <i>video The Invaders</i> Topographic/Geology Maps Group Study Exam II
05-10NOV	No Lecture	Heywood absent	T05NOV	Group Study Exam II
	WI Ecol Landscapes	WI-DNR	S09NOV EXAM II	Submit via Canvas by 5 PM
T12NOV	Rock Types/Materials Geologic Cycles Crustal Motion Vulcanism Diastrophism	GEOG 105_14 GEOG 105_15 GEOG 105_16 GEOG 105_17 GEOG 105_18	T12NOV LAB07 T19NOV LAB08 T26NOV LAB09 S30NOV QUIZ4 T03DEC LAB09 T10DEC LAB10 S14DEC QUIZ5	Rock Types Igneous Landforms Fluvial Processes Submit via Canvas by 5 PM Floodplains/Coastal Glacial Landscapes Submit via Canvas by 5 PM
R28NOV	No lecture	Holiday Break		
	Earthquakes Fluvial Processes Glacial Processes Glacial Landforms	USGS-NEIC GEOG 105_19 GEOG 105_20 GEOG 105_20		
M16DEC	8:00 in Sci A201	EXAM III	I MUST attend!	EXAM III Submit via Canvas by 5 PM

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

[News Scholarships](#)

[Conversions Wisconsin Job Center](#)

[free Adobe Reader Federal Employment](#)

CLASS ID#: Add the last letter of your first name to your UWSP ID#. _____ **KNOW THIS!**

e.g. 12345678 (UWSP ID#)

+ _____ 12(Neil)

12345690 THIS WOULD BE MY CLASS ID#

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26



TESTS: Some common test-taking mistakes to avoid (a mistake is an error that shouldn't have happened):

- 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 D2L corresponds with the preview option letter; the D2L 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 D2L's "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.**
- 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..." **Enter % 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.

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



