

**“THE DYNAMIC EARTH”**

**Lecture 1:** TR 8-8:50; Sci D102 [Heywood]

**Lecture 3:** on-line

**Laboratory Sections:** [Heywood]

#1 ... M 8-9:50; Sci B338

#2 ... W 8-9:50; Sci B338

#3 ... on-line

Office: Science D333

Office Hours: on-line; or by appt

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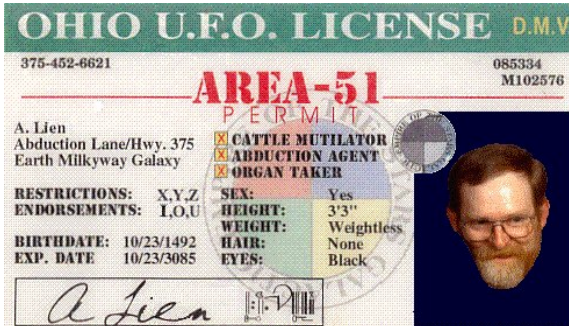
**READ AND RETAIN THIS SYLLABUS!**

*"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. All lecture materials are available on [Canvas](#).

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

<b>GRADE COMPOSITION:</b> Exam I – due S23FEB .....	25%
Exam II – due S06APR .....	25%
Exam III – due <b>Thursday</b> 16MAY .....	25%
Labs: five 5% quizzes ( <b>see calendar</b> 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] SPRING 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
T22JAN	<a href="#">Introduction</a>	GEOG 105_00	T22JAN LAB01	Sunlight
	Air Structure/Material	GEOG 105_01	<b>S26JAN</b>	<b>Survey</b> <a href="#">Return "Quiz test" by Saturday</a>
	Insolation	GEOG 105_02	T29JAN	LAB02 Temperature/Pressure-Wind
	Temperature	GEOG 105_03	<b>S02FEB</b>	<b>QUIZ 1</b> <a href="#">Submit via Canvas by 5 PM</a>
	Pressure/Wind	GEOG 105_04	T05FEB	LAB03 Moisture
	Hydrologic Cycle	GEOG 105_05		
	Cyclones/Fronts	GEOG 105_06	T12FEB	LAB04 <a href="#">Weather Maps/video</a> Cyclone
	Storm, Fire, and Ice	Bioclimate_Calculator	<b>S16FEB</b>	<b>QUIZ 2</b> <a href="#">Submit via Canvas by 5 PM</a>
	Köppen Climates	GEOG 105_07		
T19FEB	Effective Moisture	GEOG 105_08	T19FEB	LAB05 Köppen Climates
	Soil Properties	GEOG 105_09	<b>S23FEB</b>	<b>EXAM I</b> <a href="#">Submit via Canvas by 5 PM</a>
	Biotic Tolerance	GEOG 105_10	T26FEB	LAB06 Soil Moisture Properties
	Biotic Ranges	GEOG 105_11		
	Biotic Relocations	GEOG 105_12	T05MAR	LAB06 NPP & Decay
	Forests	GEOG 105_08	<b>S09MAR</b>	<b>QUIZ 3</b> <a href="#">Submit via Canvas by 5 PM</a>
	Arid Ecosystems	GEOG 105_08	T12MAR	- <a href="#">video The Invaders</a>
<b>16-24MAR</b>	<i>No Lectures</i>	<i>Spring Break</i>	<b>T19MAR</b>	<b>No Lab</b> <i>Spring Break</i>
	Endangerment	GEOG 105_13	T26MAR	LAB07 Topographic/Geology Maps
<b>R04APR</b>	No Lecture	Heywood absent	T02APR	Group Study Exam II
	WI Ecol Landscapes	<a href="#">WI-DNR</a>	<b>S06APR</b>	<b>EXAM II</b> <a href="#">Submit via Canvas by 5 PM</a>
T09APR	Rock Types/Materials	GEOG 105_14	T09APR	LAB07 Rock Types
	Geologic Cycles	GEOG 105_15		
	Crustal Motion	GEOG 105_16	T16APR	LAB08 Igneous Landforms
	Vulcanism	GEOG 105_17		
	Diastrophism	GEOG 105_18	T23APR	LAB09 Fluvial Processes
	Earthquakes	<a href="#">USGS-NEIC</a>	<b>S27APR</b>	<b>QUIZ4</b> <a href="#">Submit via Canvas by 5 PM</a>
	Fluvial Processes	GEOG 105_19	T30APR	LAB09 Floodplains/Coastal
	Drainage Patterns	GEOG 105_19		
	Glacial Processes	GEOG 105_20	T02MAY	LAB10 Glacial Landscapes
	Glacial Landforms	GEOG 105_20	<b>S04MAY</b>	<b>QUIZ5</b> <a href="#">Submit via Canvas by 5 PM</a>
<b>R16MAY</b>	<b>14:45 in Sci B328</b>	<b>EXAM III</b>	<b>I MUST attend!</b>	<b>EXAM III</b> <a href="#">Submit via Canvas by 5 PM</a>

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#:** Subtract the last letter of your first name to your UWSP ID#. \_\_\_\_\_ **KNOW THIS!**

e.g. 12345678 (UWSP ID#)

- \_\_\_\_\_ 12(Neil)

**12345666 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 =	<b>&gt;=89.5 &amp; &lt;92.5 = A- &gt;=79.5 &amp; &lt;82.5 = B-</b>	<b>&gt;=92.5% = A &gt;=82.5 &amp; &lt;87.5 = B</b>	<b>There is no A+ at UWSP &gt;=87.5 &amp; &lt;89.5 = B+</b>
QUIZ 2 =	<b>&gt;=69.5 &amp; &lt;72.5 = C- &lt;57.5 = F</b>	<b>&gt;=72.5 &amp; &lt;77.5 = C &gt;=57.5 &amp; &lt;67.5 = D</b>	<b>&gt;=77.5 &amp; &lt;79.5 = C+ &gt;=67.5 &amp; &lt;69.5 = D+</b>
QUIZ 3 =	EXAM I =	<b>There is no D- at UWSP</b>	<b>There is no F+ at UWSP</b>
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 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.





