

**“THE DYNAMIC EARTH”**

**Lecture 01:** TR 8-8:50; Sci B338 [Heywood]

**Lecture 02:** on-line

**Laboratory Sections:** [Heywood]

#01L1 ... W 8-9:50; Sci B338

#01L2 ... on-line

#02L1 ... on-line

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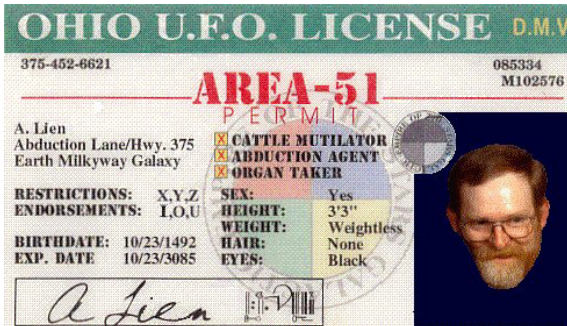
**READ AND RETAIN THIS SYLLABUS!**

*"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 S22FEB .....	25%
Exam II – due S04APR .....	25%
Exam III – due <b>Tuesday</b> 12MAY .....	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 105-01/02 [Heywood] SPRING 2020 CALENDAR**

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

DATE	LECTURES	POWERPOINTS	LABS	TOPIC
T21JAN	<a href="#">Introduction</a> 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	Week 1 <b>S25JAN</b> Week 2 <b>S01FEB</b> Week 3 Week 4 <b>S15FEB</b>	LAB01 Sunlight <b>Survey</b> <a href="#">Return "Quiz test" by Saturday</a> LAB02 Temperature/Pressure-Wind <b>QUIZ 1</b> <a href="#">Submit via Canvas by 5 PM</a> LAB03 Moisture LAB04 <a href="#">Weather Maps/video Cyclone</a> <b>QUIZ 2</b> <a href="#">Submit via Canvas by 5 PM</a>
T19FEB	Effective Moisture Soil Properties Biotic Tolerance Biotic Ranges Biotic Relocations Forests Arid Ecosystems	GEOG 105_08 GEOG 105_09 GEOG 105_10 GEOG 105_11 GEOG 105_12 GEOG 105_08 GEOG 105_08	Week 5 <b>S22FEB</b> Week 6 Week 7 <b>S07MAR</b> Week 8	LAB05 Köppen Climates <b>EXAM I</b> <a href="#">Submit via Canvas by 5 PM</a> LAB06 Soil Moisture Properties LAB06 NPP & Decay <b>QUIZ 3</b> <a href="#">Submit via Canvas by 5 PM</a> - <a href="#">video The Invaders</a>
14-22MAR	No Lectures	Spring Break	No Lab	Spring Break
R02APR	No Lecture	Heywood absent	Week 9 Week 10 <b>S04APR</b>	LAB07 Topographic/Geology Maps Group Study Exam II <b>EXAM II</b> <a href="#">Submit via Canvas by 5 PM</a>
T07APR	Rock Types/Materials Geologic Cycles Crustal Motion Vulcanism Diastrophism Earthquakes Fluvial Processes Drainage Patterns Glacial Processes Glacial Landforms	GEOG 105_14 GEOG 105_15 GEOG 105_16 GEOG 105_17 GEOG 105_18 <a href="#">USGS-NEIC</a> GEOG 105_19 GEOG 105_19 GEOG 105_20 GEOG 105_20	Week 11 Week 12 Week 13 Week 14 Week 15 <b>S02MAY</b>	LAB07 Rock Types LAB08 Igneous Landforms LAB09 Fluvial Processes <b>QUIZ4</b> <a href="#">Submit via Canvas by 5 PM</a> LAB09 Floodplains/Coastal LAB10 Glacial Landscapes <b>QUIZ5</b> <a href="#">Submit via Canvas by 5 PM</a>
T12MAY	10:15 in Sci B328	EXAM III	<b>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 [Canvas](#) corresponds with the preview option letter; the [Canvas](#) 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 [Canvas](#)'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.



