

## Water 350: Special Topics Climate Change and Resource Management (3 credits)

Spring 2019

Lecture: online

**Professor:** Katherine Clancy

**Office:** TNR 244

**Phone:** 715.346.3429

**Email address:** kclancy@uwsp.edu

**Office hours (for student questions, concerns, or chats):** 2-3 Mondays, 11:30-12:30 Thursdays

**Expectations: Assess to high speed internet and ability to log on regularly (at least weekly)**

**Objectives:** 1) Describe anthropogenic impacts to the climate, especially Lake Superior; Describe why Lake Superior is used as a climate change case study; 3) Describe climatic changes in Lake Superior and expected future changes; 4) Describe adaptive management for specific case studies.

Course is on canvas!

<https://www.uwsp.edu/canvas/Pages/default.aspx>

**Schedule: Readings and Topics are subject to change, please check canvas**

<b>Week: Dates</b>	<b>Topic</b>
1: Jan 22-25	Introduction
2: Jan 28-Feb 1	Climate Change
3: Feb 4-8	Climate Change in WI (WICC1)
4: Feb 11-15	Great Lakes and Lake Superior
5: Feb 18-22	Lake Superior Hydrology and Climate Change
6: Feb 25-Mar 1	Unit 1 Assessment (no weekly check in)
7: Mar 4-8	Lake Superior Ice Levels, Evaporation, Precipitation and Ice
8: Mar 11-13	Impacts to Hydrology and infrastructure
Mar 18-22	Lake Superior Flooding Case Studies
9: March 25-29	spring break
10: Apr 1-5	Lake Superior Flooding Case Studies
11: Apr 8-12	Unit Assessment 2 (no weekly check in)
12: Apr 15-19	Lake Superior Case Studies: Indigenous People
13: Apr 22-26	Lake Superior Case Studies: Fens and Forests
14: Apr 29-May 3	Lake Superior Case Studies: Fish and aquatic species
15: May 6-10	Lake Superior Case Studies: Wildlife
May 14-18	Unit 3 Assessment (no weekly check in)

## POLICIES AND OTHER CONSIDERATIONS

### I. UWSP Community Bill of Rights and Responsibilities

UWSP values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, a set of expectations have been developed for all students and instructors. This set of expectations is known as the Rights and Responsibilities document, and it is intended to help establish a positive living and learning environment at UWSP. For more information go to:

<http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilites.aspx>.

The Rights and Responsibilities document also includes the policies regarding academic misconduct, which can be found in Chapter 14. A direct link can be found here: <http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/SRR-2010/rightsChap14.pdf>.

- a) This includes respecting your classmates and instructor. Disrespectful behavior consists of name calling (even in jest), consistently responding to group work late, work which is full of typos and grammatical errors.
- b) Quizzes and work which is designated as individual work, must be your own efforts. If you are unclear about an assignment, then ask your instructor.

### II. Americans with Disabilities Act

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. For more information about UWSP's policies, check here:

<http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyinfo.pdf>.

If you have a disability and require classroom and/or exam accommodations, please register with the Disability Services Office and then contact me at the beginning of the course. I am happy to help in any way I can. For more information, please visit the Disability Services Office, located on the 6<sup>th</sup> floor of the Learning Resource Center (the Library). You can also find more information here: <http://www4.uwsp.edu/special/disability/>.

### III. Grade Calculations

Weekly Check ins (short quiz or discussion), 1 per week (10 pts each): 80 pts (lowest grade is dropped)

Unit Tests, 1 per unit (2 at 50pts each): 100 pts

Unit Assessments or assignments, 1 per unit (2 at 30 pts each): 60

Total Points: 240 pts

Grade	Percent	Grade	Percent
A	93-100%	C	70-74%
A-	90-93%	C-	65-69%
B+	87-89%	D+	62-64%
B	83-86%	D	55-61%
B-	80-82%	F	< 55%
C+	75-79%		