

Syllabus- Capstone ES 600 Section 006

Water Stewardship and Sovereignty in the Bad River Ojibwe Community

Class times: MW 2:30- 3:45, and field trips outside of class.

Location: Science Hall Room 175

Instructors:

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Office: Mon: Indian House, 209 North Brooks St.

Wed: Science Hall 175A

Office hours: MW 1:00 – 2:00 pm and by appt.

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Interns/Directed Study:

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Office hours for interns are by appointment!

Course Description:

Meet some of the original Wisconsin environmentalists: a people who share the name of their place, *Anishinaabeg Gitchi Gami*-- Lake Superior Anishinaabeg. The Bad River Band of Lake Superior Chippewa, also known as Bad River Ojibwe, steward the Bad River, *MashkiiZiibi*, a pristine tributary and internationally-renowned estuary within the Lake Superior Basin. Threats to the Bad River Ojibwe's water resources include climate change, mineral mining, and invasive species.

Bad River Ojibwe are exemplary in their incorporation of both native and western science to tackle these water issues. Students in this capstone will visit the Bad River reservation to learn first-hand about indigenous environmental philosophy and practice. Integrating ecology, water resource management, environmental health, mapping, and education, we will work directly with tribal members on products that will be useful to the tribe as they shape environmental policies that protect their culture and their homeland.

Learning goals:

- Achieve basic understanding of Traditional Ecological Knowledge, Native Science, *Bimaadiziwin*
- Investigate Bad River Ojibwe approaches to water stewardship
- Learn about the relationships between water stewardship and broader ecological systems- coastal estuaries, floodplain forests, headwater wetlands
- Compare and contrast native and western scientific approaches to water stewardship
- Compare and contrast indigenous and mainstream capitalist knowledge systems, and impacts on environmental stewardship
- Examine the impacts of the Treaties on tribal environmental resource management
- Learn the basics of map making, and using maps in outreach about resource values
- Improve cross-cultural skills that build global citizenry
- Improve written and verbal communication skills, focusing on communication skills across cultural boundaries
- Learn from guest speakers about multiple disciplines across campus that focus on indigenous perspectives

Evaluations:

Course Requirements	Deadlines	Points
Weekly attendance/engagement/professionalism		100
Fieldwork trips participation	1. 2/6 – 2/8 2. 4/24 – 4/26	N/A ††
Bad River AutoBioMaps	Due 2/13, 3/20, 5/1 <i>by 5pm</i>	150
Guest speaker questions	13 per semester, due day of speaker	130*
Guest speaker notes	13 per semester, due in class that meets next after speaker presentation	130*
Guest speaker hosting	Once per semester	25*
Case Studies- paper and presentation	2/18 Topic due 2/23 Annotated bibliography and outline due 3/2 Rough draft due 3/4 Practice team presentations 3/16 Case study final draft due and Final team presentations	115
Final projects for Bad River tribe	3/25 Bibliography and work plan 4/6 Outline of written and/or visual products 4/13 First draft of products due 4/22 Final drafts due. Practice presentations 5/4 Final final projects due/ sent to tribe	350
Final exam = project showcase	May 15, 5 pm. ES 600 Capstone showcase	N/A ††
TOTAL		1000
	Please note: Assignments in bold indicate team submissions. All team members will receive the same score. *Assignments with asterisk are completion grades only; assignments that are completed according to rubric will receive full credit.	

	†† Mandatory fieldwork/ presentation. Failure to attend will result in a half grade penalty (A to A-, B- to C, etc.) for each missed trip.	
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- **Please follow Guidelines and Rubrics for all assignments!**
- **LATE ASSIGNMENTS WILL NOT BE ACCEPTED**

Fieldwork Trip Participation outside of class times:

The two planned fieldwork trips are an essential part of this community-based learning course, and participation is mandatory. These field trips are the opportunities to interact with Bad River tribal members directly and experience the landscape and waterways of the reservation and Bad River watershed.

- 1.) 2/6 to 2/8 Fieldwork trip to Bad River reservation. We will meet with elders, culture keepers and Bad River Natural Resource Department employees to understand the current water stewardship challenges and successes in the Bad River Ojibwe community. This will be planning time for mid semester and final project implementation. Packing lists will be provided separately.
- 2.) 4/24 to 4/26 Fieldwork trip to Bad River reservation. We will hold final meetings with project stakeholders: tribal members, BRNRD and GLIFWC, and present our projects to the Bad River community.

Course themes:

- Indigenous awareness, ways of knowing
- Indigenous communities, Treaty Rights, land and water struggles
- Threats to the Bad River watershed and Lake Superior Basin
- Stewardship, sovereignty, and legislation
- Knowledge systems - Native and western science
- Water management in Madison
- Water stewardship, restoration, and environmental futures - TEK and western science methods
- Global water issues
- Integrated communication – cross-cultural, uses visual, spatial, written, verbal
- Public outreach and education in promoting authentic understanding of Indian communities

Course Calendar:

Date	Topic	Work due
1/21	Introductions Course of action Guest speaker hosting, questions, notes WordBank Student drivers	/
1/26	<u>Aaron Bird Bear.</u>	Readings and web

	Cultural Landscapes First Nations Tour Dress for outdoors. Meet at Lincoln Statue on Bascom Hill.	resources for 1/26/14 on Learn@UW
1/28	<u>Conaway:</u> Intro to Bad River <i>Bad River Water&Culture Maps</i> <i>Water in the news</i> Project Fair 3:30 Visit from NI_EI Project Team	Readings & web resources for this date on Learn@UW Mishomis Book TNC on Penokees Cultural maps in Gidakiminaan
2/2	<u>Bill Bland</u> Water professor – Water 101 230-315pm <u>Conaway:</u> Project and trip prep	Readings & web resources for this date on Learn@UW
2/4	Odyssey Storymapping with <u>Karen Tuerk & Sarah Bennett</u> 274 Van Hise Assign AutoBioMap Guidelines <u>Conaway:</u> Project and trip prep	Readings & web resources for this date on Learn@UW
2/6 – 2/8	Trip to Bad River Reservation Depart from SH Parking lot. Departure time TBD	Pack items on packing list
2/9	No class	
2/11	Reflection with Morgridge Fellow <u>Roberta Hill:</u> <ul style="list-style-type: none"> Poetry & Environmental Justice in Montana System Tree of Ojibwe Views of Water	Readings & web resources for this date on Learn@UW Bad River AutoBioMap - is due Friday in Box
2/13	–	Bad River AutoBioMap1 - is due today in Box
2/16	<u>Larry Nesper:</u> Walleye Wars, Treaty Rights, and direct action	Readings & web resources for this date on Learn@UW
2/18	<u>Matt Dannenburg:</u> Mining legislation in Wisconsin Discuss case study topics	Readings & web resources for this date on Learn@UW Case study topic due
2/23	<u>Marian Farrior:</u> Nature Institute, knowledge systems.	Readings & web resources for this date on Learn@UW TEK and Native Science Case study bibliography and outline due
2/25	Writing Center Instructor-Case studies 230-330	Readings & web resources for this date on Learn@UW

3/2	GIS/Map day with <u>Karen Tuerk</u> 230 SH 175 245 SH Map lab	Readings & web resources for this date on Learn@UW Case study rough draft due
3/4	<u>Esteban Chiriboga</u> : GLIFWC Maps & Resource Mgmt in the Lake Superior Basin. 230-3pm Practice team presentations. Peer review in class.	Readings & web resources for this date on Learn@UW Maps, GLIFWC site, Pacific NW site Practice case study team presentations due
3/9	<u>Dave O'Connor</u> , Authentic Education about Indian Communities, Act 31 Practice team presentations. Peer review in class.	Readings & web resources for this date on Learn@UW
3/11	<u>Janice Rice</u> : Ho Chunk Nation Springs and waterways; research about indigenous env issues • Visit from NI_EI Project Team	Readings & web resources for this date on Learn@UW
3/16	Case study presentations, final take	Case Study final papers and presentations due
3/18	<u>Jim Amrhein</u> , WI DNR Water resource management 330 Reflection with Morgridge Fellow	Readings & web resources for this date on Learn@UW AutoBioMap 2 due Friday in Box
3/20		AutoBioMap 2 due in Box
3/23	<u>Kathy Lake</u> , Madison Metropolitan Sewage District	Readings & web resources for this date on Learn@UW Videos on MMSD website.
3/25	Field trip: Water utility w/ <u>Amy Robb</u> . MEET AT WELL 27-N. Randall & Regent St	Final project bibliography and work plan due
3/28 – 4/5	Spring Break	
4/6	TechTraining and Research Day: Video editing/ Web Design / Mapping. <u>College Library Rm 2257</u> .	Readings & web resources for this date on Learn@UW Final project Outline of written and/or visual products due
4/8	<u>Jason Carlson</u> of AES: Wild Rice Restoration	Readings & web resources for this date on Learn@UW
4/13	<u>Randy Poelma</u> , Ho Chunk water and restoration efforts	Final products first drafts due
4/15	Project work <u>College Library Rm 2257</u> .	
4/20	Project work <u>College Library Rm 2257</u> .	

4/22	Practice presentations of products.	Final draft of products due
4/24 to 4/26	Trip to Bad River Reservation	BR Community feedback sessions.
4/27	No class	
4/29	Project work- finishing touches with group. 330 Reflection and discussion with Morgridge Fellow. <i>College Library Rm 2257.</i>	AutoBioMap 3 due Friday in Box
5/1		AutoBioMap 3 due in Box
5/4	Presentations of final projects with additions after BR trip. Peer and self -review in class	Final final drafts of products due
5/6	<u>Art Shegonee</u> . Last class-party with local experts and helpers. Wunk Sheek	Practice Capstone Showcase presentations
5/15	ES 600 Capstone showcase in SH 5 - 7 pm	

Resources, Web:

Decolonizing Diet- Youtube and FB

<http://www.youtube.com/watch?v=nswNYRrRn5E>

Indian La Crosse, star maps

<http://www.tribalcollegejournal.org/archives/25273>

Midwest Treaty Network

<http://treaty.indigenousnative.org/content.html>

Edward Burtynsky wáter photos, sustainability

http://www.edwardburtynsky.com/site_contents/Photographs/Water.html