CONSERVATION IN A CHANGING CLIMATE
SYLLABUS UW Madison
Professor Adena Rissman
Assistant Instructor Menka Bihari
Spring 2011

Meets 2:25-3:40 Tuesdays and Thursdays, Russell Labs A121

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Office hours: Thursdays 10am-noon  Office hours: Tuesdays 11am-1pm

Course Description: Adapting to the many changes associated with climate change is an increasingly important issue and nowhere more so than in the field of private land conservation. In this interdisciplinary seminar, we will look at how conservation organizations and tools adapt to dynamic landscape change such as climate change. Focusing on several landscapes across the State of Wisconsin, we will examine climate change impacts and adaptation related to biodiversity and ecosystem processes. We will investigate whether our current land conservation laws and institutions are up to the task, and how those institutions can be improved. We will work together to compare Wisconsin landscapes and the organizations using conservation easements to protect them. The seminar is open to graduate students and law and planning students.

The seminar will provide experience and training with diverse research methods. Student teams will examine regions of the state relying on surveys, interviews, mapping, and document analysis. Each student will incorporate the information they have collected into an online database, prepare a research and analysis paper, and contribute to a collective research or outreach effort.

We are not alone. This seminar is part of a network of six seminars across the United States considering this issue and adding information on regions, organizations, and conservation easements to the online database. The universities and states represented in the research include California—Stanford University; Colorado—Denver University; Indiana—Indiana University; New York—SUNY Buffalo; South Carolina—University of South Carolina; and Wisconsin—us. We have a wiki and listserv to communicate with each other and refine the process of investigation, collection and evaluation of information as we go forward.

While you are out discovering what is happening on the ground, we will be spending class time discussing the nuts and bolts of land conservation, its relation to other forms of landscape preservation and management, and the tools available to predict the impacts of climate change and address adaptive responses. Our job is to give you the tools you need to talk effectively and intelligently with land trust professionals, decode the documents and information you receive,
help you examine climate change impacts on conservation goals and strategies, and understand how organizations are responding to climate and other landscape changes.

Grades:

55% percent of your grade in this course will be based on the quality and quantity of the information you add to the database:

10% - Survey 1: The Region (completed once per team)
15% - Survey 2: The Organization Online (completed once per land trust/government agency)
15% - Survey 3: The Conservation Easement (completed once per conservation easement)
15% - Survey 4: The Interview (completed once per land trust/government agency)

Two-thirds of the grade for each of these will be assigned when you complete the first draft, and the other third when you submit the final draft of these at the end of the semester.

You are also responsible for a report and class presentation on your findings, and for contributing to either the academic paper our class will write together, or to developing education and outreach materials on the project.

20% - Participation in class, contribution to group presentation and report on your region, organizations, and conservation easements
25% - Contribution to either an academic paper or education/outreach materials

Learn@UW: To view readings and assignments for our course.

Wiki:
Contains lots of resources, ArcGIS Explorer maps

JANUARY 18 (CLASS 1) – Introduction to the Conservation in a Changing Climate Research Project

JANUARY 20 (CLASS 2) – Introduction to Conservation Easements and Organizations; Discussion of the Research Questions


JANUARY 25 (CLASS 3) – Introduction to Case Study, Data Collection, and Qualtrics; Matching Teams to Landscapes; Review “Survey 1: The Region” Questions; Qualtrics ppt


Babbie, Earl. 2007. *The practice of social research, 11th ed.* “Survey research” PDF. Pages 244-251, 264-269

JANUARY 27 (CLASS 4) – Climate Change Impacts and Adaptation; Place-Based Research and Spatial Analysis as a Research Method; ArcGIS Explorer Training; ArcGIS ppt

Understanding and Responding to Climate Change – Highlights of the National Academies Report http://dels-old.nas.edu/dels/rpt_briefs/climate_change_2008_final.pdf


FEBRUARY 1 (CLASS 5) – Adaptation, Vulnerability, and Permanence; David Mladenoff guest speaker on climate change impacts


FEBRUARY 3 (CLASS 6) – Adaptive Land Management; Discuss Seminar Manuscript Ideas; Finalize organization selection and contacts; Hand out “Survey 2: The Organization”

DUE: First Draft of “Survey 1: The Region” by your team
(DO NOT hit SUBMIT in Qualtrics)
Presentations by teams on the easement holders and easements they will study – in which they present and justify their choices.


AFTER THIS CLASS TEAMS MAY BEGIN TO CONTACT EASEMENT HOLDERS

FEBRUARY 8 (CLASS 7) – Land Trusts and Government Agencies; Review “Survey 2: The Organization”


Land Trust Accreditation Commission – Requires Policies for Accreditation


FEBRUARY 10 (CLASS 8) – Social and Institutional Aspects of Conservation

Brechin et al. 2002. Beyond the square wheel: toward a more comprehensive understanding of biodiversity conservation as a social and political process. Society and Natural Resources. 15:41-64.


FEBRUARY 15 (CLASS 9) – Organizational Capacity; Introduction to Defense and Enforcement


FEBRUARY 17 (CLASS 11) – Outlining the Seminar Manuscript


DUE: First Draft of “Survey 2: The Organization” for each organization you are researching (DO NOT hit SUBMIT on Qualtrics)

FEBRUARY 22 (CLASS 12) – Rules and Legal Limitations on Conservation Easements; Legal Perspectives on Conservation


Thompson, Barton H. 2004. The trouble with time: influencing the conservation choices of future generations, Natural Resources Journal 44: 601

26 U.S.C. § 170(a), (d) & (h)

26 C.F.R. § 1.170A-14 Qualified Conservation Contributions.

FEBRUARY 24 (CLASS 13) – Conservation Easement Amendment, Termination, and Litigation


Hicks v Dowd case and settlement documents.

MARCH 1 (CLASS 14) – Charitable Gift Deduction; Introduce “Survey 3: The Conservation Easement”


MARCH 3 (CLASS 15) – Alternative Proposals for CEs and Adaptation

Jessica Owley Lippman, *Changing Property in a Changing World: A Call for the End of Perpetual Conservation Easements* (draft)


MARCH 8 (CLASS 15) – Comparative Case Studies


MARCH 10 (CLASS 16) – Interviewing and Mock Interviews; Discuss CE responses; Review Survey 4: The Interviews

**DUE: First Drafts of Your First 2 Conservation Easements in Qualtrics**

(Do NOT hit SUBMIT in Qualtrics)


MARCH 15 and 17: Spring Break

MARCH 22 (CLASS 17) Interview Methods Continued; updating Seminar Manuscript outline

Babbie 2007 “Interviewing” PDF

Babbie 2007 “How to conduct interviews” PDF

Berg, Bruce B. A dramaturgical look at interviewing. Chapter 4 in Qualitative research methods for the social sciences.
MARCH 24 (CLASS 18) – Revisiting Ecosystem Management


MARCH 29 (CLASS 19) – Revisiting Climate Change Impacts and Adaptation


Additional reading TBA

MARCH 31 (CLASS 20) – Revisiting Climate Change Impacts and Adaptation

DUE: First Drafts of All Conservation Easements in Qualtrics (DO NOT hit SUBMIT in Qualtrics)


APRIL 5 (CLASS 21) – Broadening Our View: Conservation Effectiveness

**DUE: First Draft of “Survey 4: The interview” (must complete a practice interview in advance of the interview) (DO NOT hit SUBMIT in Qualtrics)**


APRIL 7 (CLASS 22) – Toward Solutions and Deeper Structural Problems


Additional readings TBA

APRIL 12 (Class 23) – Group Presentations

APRIL 14 (Class 24) – Group Presentations

**Due: First draft of Group Case Study Report**

APRIL 19 (Class 25) – Synthesis and Manuscript Development

APRIL 21 (Class 26) – Synthesis and Manuscript Development

**Due: First Draft of Manuscript and Final Project Materials**

APRIL 26 (Class 27) – Synthesis and Manuscript Development

APRIL 28 (Class 28) – Synthesis and Manuscript Development

MAY 3 (Class 29) – Synthesis and Manuscript Development

MAY 5 (Class 30, Last Class) – Synthesis and Manuscript Development

**Due: SUBMIT Final Draft of All Surveys on Qualtrics**

MAY 9 Final Case Study Reports and Manuscript Due by 5pm