WATER 750 – WATER RESOURCES IN SOCIETY
COURSE SYLLABUS – SPRING 2006
Instructor: Mary Pardee

Course Goals
The objective of this course is to familiarize Wisconsin educators with water resources and water-related issues, specifically those relevant to Wisconsin and to the students’ locality. The course will provide an overview, explore background information, discuss importance, investigate threats, research issues, review values, and examine possible solutions for current issues. We will focus on: 1) the concept of watersheds, 2) the various types of water resources, 3) historical aspects, and 4) the current state of water resource management. Students will be encouraged to continually create and evaluate possible lesson plans to incorporate the information into their own curricula.

Course Schedule
Monday, April 3 – Monday, May 1

Instructor Contact Information
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Course Requirements and Evaluation
As a student in this course you are expected to: 1) read and evaluate weekly online course materials, 2) actively participate in online discussions, 3) prepare four 2-page papers, and 4) complete an overall assignment. You should expect to spend about 8-10 hours per week to complete the requirements.

Online discussions:
The first three weeks there will be an interactive discussion session (no discussion the final week). The discussion is an asynchronous (i.e. not real time) communication tool. This is your way to communicate with classmates and share invaluable ideas and thoughts. Participation in these sessions is graded, and you will be expected to post your thoughts and respond to at least one classmate on a weekly basis. Try to post your original response to the topic/question by Wednesday of each week. You have to the end of the week to respond to a classmate’s posting.
Two-page written assignments:

There will be a total of 4 two-page papers focusing on exploration of your home area. The websites provided for each topic are meant to be a starting point for your explorations. You are encouraged to explore additional websites and use other sources of information such as personal visits, phone calls to resource professionals, e-mails to organizations, or other methods.

Papers should be limited to two 8.5x11 pages, single-spaced, no less than 12-pt. font, with one inch margins on each side (about 900 words). Written work should be clear, concise and of the quality expected of a graduate student. Good grammar and correct spelling are important.

Overall assignment:

The overall assignment is to create a directory of water resource professionals and organizations in your area that you can refer back to in the future. Directions and suggestions will be provided.

Course Point Distributions

<table>
<thead>
<tr>
<th>Course assignments and discussions</th>
<th>Point Value</th>
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<tbody>
<tr>
<td>20% of grade: Participation in weekly online discussions</td>
<td>60 pts.</td>
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<tr>
<td>10 pts for original posting</td>
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<tr>
<td>10 pts for responding to a classmate</td>
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<td>(20 pts x 3 discussions)</td>
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<tr>
<td>67% of grade: Written assignments</td>
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<td>Grading rubric supplied</td>
<td>200 pts</td>
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<tr>
<td>(50 pts. x 4 papers)</td>
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<tr>
<td>13% of grade: Overall assignment</td>
<td>40 pts.</td>
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<tr>
<td>Grading rubric supplied</td>
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<tr>
<td>Total Course Points</td>
<td>300 pts.</td>
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Grading

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>93 – 100 %</td>
<td>C</td>
<td>73 – 76 %</td>
</tr>
<tr>
<td>A-</td>
<td>90 – 92 %</td>
<td>C-</td>
<td>70 – 72 %</td>
</tr>
<tr>
<td>B+</td>
<td>87 – 89 %</td>
<td>D+</td>
<td>67 – 69 %</td>
</tr>
<tr>
<td>B</td>
<td>83 – 86 %</td>
<td>D</td>
<td>60 – 66 %</td>
</tr>
<tr>
<td>B-</td>
<td>80 – 82 %</td>
<td>F</td>
<td>&lt; 60 %</td>
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<tr>
<td>C+</td>
<td>77 – 79 %</td>
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Papers and the overall assignment should be submitted via the D2L Dropbox function. A late assignment will be deducted 5 points each day it is late.

**Other**

This is a pilot class, and student feedback is encouraged. You will be receiving a mailed survey after the course is over to provide comments on the class so it can be improved for future students.
WATR 750 – Water Resources in Society
Topic Outline

Introduction to WATR 750
   A. Course syllabus
   B. Why do we need to study this? (reading)
   C. Online Discussion – Introductions

Overall Assignment (due May 8)

Grading Rubrics
   A. Weekly Assignment Grading Rubric
   B. Overall Assignment Grading Rubric

UNIT 1: Watersheds (April 3-9)
I. Watersheds
   A. What is a Watershed?
   B. Geology of Wisconsin
   C. Water Resources of Wisconsin’s Watersheds
   D. Unit 1 Websites

II. Unit 1 Assignment (due April 10)

III. Unit 1 Online Discussion – Water resource issues in your watershed

UNIT 2: Overview of Water Resources (April 10-16)
I. Overview on use and management of water resources
   A. Introduction to Reading
   B. Waters of Wisconsin Report – Chap. 2
   C. Unit 2 Websites

II. Unit 2 Assignment (due April 17)
   A. Issue Analysis

III. Unit 2 Online Discussion - Values
UNIT 3: Historical Aspects of Use and Management (April 17-23)

I. History of Water Resources in Wisconsin
   A. Historical Uses of Wisconsin Waters
   B. Governmental protection efforts
      1. Public Trust Doctrine Basics
      2. Public Trust Doctrine – O’Connor
      3. Clean Water Act
      4. Clean Water Act Reauthorization – Feingold
      5. Wild and Scenic Rivers
      6. Wisconsin Legislation
   C. Unit 3 Websites

II. Unit 3 Assignment (due April 24)

III. Unit 3 Online Discussion – Water resource history and place name

UNIT 4: Current State of Water Resource Management (April 24-May 1)

I. Management issues
   A. Issue: Population
   B. Issue: Invasive species
   C. Issue: Toxins
   D. Issue: Economy
   E. Economic Value of Water

II. Modern conservation movements
   A. Citizen Volunteer Monitoring
   B. Smart Growth Initiative
   C. Outstanding and Exceptional Resource Waters Program
   D. Non-Governmental Organizations

III. Unit 4 Websites

IV. Unit 4 Assignment (due May 8)