EA 342: Economic Analysis of Water Resource Development  
Spring 2007  
MWF  11AM – 11:50AM  
C213 Clark Building  
Instructor: Lindsey Ellingson and Marshall Frasier

Office Location and Hours:  
Lindsey Ellingson  
B306 Clark Building  
Phone: (970) 491-4028  
Email: lindsey.ellingson@colostate.edu  
Office Hours: Mon & Wed 1–3PM

Marshall Frasier  
B331 Clark Building  
Phone: (970) 491-6071  
Email: marshall.frasier@colostate.edu  
Office Hours: Wed & Thu 1-3PM

DESCRIPTION AND OBJECTIVES  
EA 342 is a one semester course in economics that applies microeconomic tools to water resource management. This course will evaluate the history of water resources management techniques and the corresponding and laws. In addition, we will examine economic theory and analysis pertaining to water resource management such as the theory of public goods, benefit cost analysis and various valuation techniques. Lastly, an application of water resource management policy will be utilized in conjunction with the materials covered in this course.

REQUIRED TEXT  
The necessary text will be available online at the course WebCT website.

EVALUATION  
Course grades will be based on the following:  

Written Assignments:  
✗ There will be four written assignments throughout the semester.  
✗ Each written assignment will be worth 10% each, for a total of 40% of your course grade.  
✗ The written assignments will range from 2 – 10 pages in length.  
✗ Details of the written assignments will be handed out throughout the semester. 

Midterm Exam:  
✗ There will be one midterm exam over the first 8 weeks of material. 
✗ The midterm will be worth 20% of your course grade. 
✗ THERE WILL NOT BE ANY MAKE-UP EXAMS.

Presentation:  
✗ There will be group presentations during the end of the semester.  
✗ The presentations will be based on your fourth written assignment.  
✗ The presentation is worth 10% of your course grade.

Final:  
✗ The final will account for 30% of your total course grade.  
✗ The final will be in this classroom on:  
   Thursday, May 10 from 1:30pm – 3:30pm
GRADE DISTRIBUTION
Final course grades will be determined as follows:

- 100% >= A >= 90%;
- 90% > B >= 80%;
- 80% > C >= 70%;
- 70% > D >= 60%;
- 60% > F

This grade distribution may be moved downward at the instructor’s discretion and may use +/-'s

OTHER IMPORTANT DATES:
Wednesday, January 31st   Course Drop Date
Monday, March 19th    Course Withdraw Date

ADDITIONAL NOTES AND INFORMATION:
✓ The Instructors and the Students are jointly responsible for maintaining a respectful and productive learning environment.
✓ Turn off cell phones.
✓ Inform Instructor immediately if difficulty in hearing or seeing presentations.
✓ Cheating on exams will result in zero score and possibly a failing course grade.
✓ Students who believe that they may need accommodations in this class are encouraged to contact Resources for Disabled Students (970) 491 – 6385 as soon as possible to ensure that accommodations are implemented in a timely fashion.
# EA 342 GENERAL COURSE OUTLINE

<table>
<thead>
<tr>
<th>WEEKS</th>
<th>GENERAL TOPICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1</td>
<td>Physical Properties of Water and its Uses</td>
</tr>
<tr>
<td>(1/17-1/19)</td>
<td></td>
</tr>
<tr>
<td>Weeks 2-3</td>
<td>History of Water Management, Law and Institutions</td>
</tr>
<tr>
<td>(1/22-2/2)</td>
<td></td>
</tr>
<tr>
<td>Week 4</td>
<td>Water Quality</td>
</tr>
<tr>
<td>(2/5-2/9)</td>
<td></td>
</tr>
<tr>
<td>Weeks 5-6</td>
<td>Economic Theory and Welfare Economics</td>
</tr>
<tr>
<td>(2/12-2/23)</td>
<td></td>
</tr>
<tr>
<td>Weeks 7-8</td>
<td>Benefit Cost Analysis</td>
</tr>
<tr>
<td>(2/26-3/9)</td>
<td></td>
</tr>
<tr>
<td><strong>Midterm Exam</strong></td>
<td><em>Tentative Date: Friday March 9&lt;sup&gt;th&lt;/sup&gt;</em></td>
</tr>
<tr>
<td>Week 9</td>
<td>SPRING BREAK</td>
</tr>
<tr>
<td>(3/12-3/16)</td>
<td></td>
</tr>
<tr>
<td>Weeks 10-12</td>
<td>Water Uses and Valuation Techniques</td>
</tr>
<tr>
<td>(3/19-4/6)</td>
<td></td>
</tr>
<tr>
<td>Weeks 13-14</td>
<td>Group Presentations</td>
</tr>
<tr>
<td>(4/9-4/20)</td>
<td></td>
</tr>
<tr>
<td>Weeks 15-16</td>
<td>Water Policy Applications</td>
</tr>
<tr>
<td>(4/23-5/4)</td>
<td></td>
</tr>
<tr>
<td><strong>FINAL:</strong></td>
<td>Thursday, May 10 from 1:30pm – 3:30pm</td>
</tr>
</tbody>
</table>