

THREE RIVERS COMMUNITY COLLEGE  
**PRINCIPALS OF ENV SCIENCE/ENVIRONMENTAL STUDIES**  
**BIO K180/ENV K101**  
 Spring 2010

Text: Environmental Science 10<sup>TH</sup> Edition. Author: Richard T. Wright.

Thursday evening 5:00 – 7:45 pm, Room D222

Instructor: Judy Preston

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3/18/10

	Week	Topic/Chapters covered in class	In Class	Assignment
1	Jan 21	<b>Introduction:</b> 1) Toward a Sustainable Future	<b>Overview</b>	<b>Read Chapters 1, 2, 3</b>
2	Jan 28	2) Ecosystems: What They Are 3) Ecosystems: How They Work	<b>Review 1, 2 &amp; 3</b>	<b>Read 4, 5</b>
3	Feb 4	<b>NO CLASS</b>		
4	Feb 11	4) Ecosystems: How They Change 5) The Human Population	<b>Ecosystems overview (2 - 5)</b>	<b>Read 6, 7</b>
5	Feb 18	6) Population and Development 7) Water: Hydrologic Cycle (Wetlands)	<b>Review 6, 7 Project Ideas</b>	<b>Read 8, 10 Review 1 - 7</b>
6	Feb 25	8) Soil: Foundation for Land Ecosystems <i>Handout: Tragedy of the Commons</i>	<b>Quiz 1 (1-7) Review 8</b>	<b>Read 11 1 Handout</b>
7	March 4 Class 5 – 6:30	10) Wild Species: Biodiversity & Protection 11) Ecosystems as Resources <i>Review: Tragedy of the Commons</i>	<b>Review 10, 11, handout</b>	<b>3 Handouts Read 9</b>
8	March 11	<b>Spring Break</b>		
9	March 18	Food and Environment ( 3 Handouts) 9) Production & Distribution of Food <i>(Film: King Corn)</i>	<b>Review Handouts, 9 <u>Student Presentations</u></b>	<b>Read 12, 13</b>
10	March 25	12) Energy From Fossil Fuels 13) Nuclear Power <i>Film: Who Killed the Electric Car?</i>	<b>Review 12, 13</b>	<b>Read 14</b>
11	April 1	14) Renewable Energy <i>Supplemental: Green Design</i>	<b>Review 14 Green Design</b>	<b>Review 8 – 14 Read 17</b>
12	April 8	17) Water Pollution and Prevention Supplemental: River Continuum <u><i>Student Presentations</i></u>	<b>Quiz 2 (CH 8 -14, supplementals) Review 17</b>	<b>Read 20, 21</b>
13	April 15	20) The Atmosphere: Climate Change, Ozone 21) Atmospheric Pollution	<b>Review 20, 21</b>	<b>Read 23</b>

14	April 22	23) Sustainable Communities	Review 23	Semester Review
15	April 29	5:00 – 5:45 Semester Review Seminar talk room C101: Sustainable Landscaping & Ecology	Semester Review	Review
16	May 6	<b>Final Exam</b> Chapters 1 – 23* * not including chapters 9, 15, 16, 18, 19, 22 Supplemental Programs and Handouts	<b>Final Exam</b>	Final Presentations
17	May 13	Film: Inconvenient Truth <u>Student Presentations</u>		

**EXTRA CREDIT:**

**Class will begin each week with brief student reviews of a timely environmental news item or review of an environmental product, service or website. Be sure to hand in the article or brief write-up with your name and class date for extra credit.**

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- READINGS WILL BE FROM ENV SCI TEXTBOOK & SUPPLEMENTAL MATERIAL.
  - QUIZZES AND EXAM WILL BE BASED ON LECTURE, READING MATERIAL, AND SUPPLEMENTAL MATERIALS.
  - REGULAR ATTENDANCE AND CLASS PARTICIPATION IS EXPECTED. PLEASE ARRIVE ON TIME AND DO NOT LEAVE EARLY WITHOUT ADVANCE NOTICE.
  - **THERE WILL BE NO MAKE-UP OF QUIZZES WITHOUT PRIOR APPROVAL.**
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**EVALUATION AND GRADING**

20% - QUIZZES (2)  
25% - FINAL EXAM  
15% - ASSIGNMENTS  
20% - PRESENTATION  
20% - ATTENDANCE AND PARTICIPATION

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**PLEASE NO CELL PHONE USAGE WHILE IN CLASS**