

ENVS 101 -001, CRN 11080

Fall 2012, TR 12:30-1:45 pm, Owens 202

Instructor: Dr. Marsha Bollinger, G06 Bancroft Annex
803-323-4944 bollingerm@winthrop.edu

Office hours: TR 2-3:30 pm, but available many other times; please stop by

The **goal** of this course is to introduce several current environmental issues to students who are either environmental sciences or environmental studies majors or who simply have an interest in these issues. The course does not count towards the general education science requirement.

The semester will be divided into sections dealing with issues ranging from water quality and quantity, to energy sources, to air quality. and land use. For each topic, we will cover some basic facts, explore some potential problems and solutions, and review pertinent laws and policies. Methods of instruction in the course will include lectures, discussions, readings, and videos.

Course materials will be provided through Blackboard. Please log on to <https://bb-winthrop.blackboard.com>.

Student Learning Outcomes:

- Students will be conversant with the basic concepts related to selected environmental issues.
- Students will be able to discuss selected environmental problems and their potential solutions.
- Students will begin to understand the interrelated nature of selected environmental issues and of human interactions with the environment.

Global Learning Initiative: Students will be introduced to some sections of the course by reading articles or viewing short videos about environmental problems faced by other cultures and making comparisons to life in the southeastern US. Articles will include water woes in China, nuclear power issues after the Fukushima disaster in Japan. Videos will include the global topics of water use, climate change, and ozone depletion; differences in global perspectives will be highlighted.

Required text: Essential Environment: The Science Behind the Stories, 4th edition, 2012, Withgott and Laposata

Syllabus change policy: Changes may be necessary during the semester. Students will be notified of posting of changes via class email listserv as soon as possible. Changes will also be mentioned in class. Note that both this page and the schedule page have a date of last modification at the top.

Student code of conduct: As noted in the Student Conduct Code: "Responsibility for good conduct rests with students as adult individuals." The policy on student academic misconduct is outlined in the "Student Conduct Code Academic Misconduct Policy" in the online *Student Handbook* (<http://www2.winthrop.edu/studentaffairs/handbook/StudentHandbook.pdf>).

Attendance: Students are responsible for everything that goes on in class. This requires regular attendance. Please respect others by being on time and staying for the entire class. Please turn cell phones and other electronic devices off while in class, unless otherwise directed.

Students with Disabilities: Winthrop University is dedicated to providing access to education. If you have a disability and require specific accommodations to complete this course, contact the Office of Disability Services (ODS) at 323-3290. Once you have your official notice of accommodations from the Office of Disability Services, please inform me as early as possible in the semester.

Grading: Your grade will be based on your performance on three in-class tests (2 @ 100 pts. each, 1 @ 75 pts.), a comprehensive final exam (100 pts.; required of all students), the lifestyles project (3 journals @ 25 pts. each), written summaries of one DVD and one activity (2 @ 25 pts. each), 2 write-ups of important points from instructor provided articles (2 @ 25 pts. each.), and a group project (25 pts. each for participation and for a written summary). Your average will be determined by adding up the number points you earn and dividing by the total possible points (600). Letter grades will be assigned approximately on the following scale: 100 – 93 = A, 92 – 90 = A–, 89 – 87 = B+, 86 – 83 = B, 82 – 80 = B–, 79 – 77 = C+, 76 – 73 = C, 72 – 70 = C–, 69 – 67 = D+, 66 – 63 = D, 62 – 60 = D–, 59 and below = F.

Tests and Exam: Tests will be a mixture of question types (matching, multiple choice, short answers). The final exam is required of all students and will be given at the designated time during exam week. Make-ups for tests will only be given in extreme circumstances. If you miss a test, contact the instructor as soon as possible.

Winthrop’s **Academic Success Center** is a free resource for all undergraduate students seeking to perform their best academically. The ASC offers a variety of personalized and structured resources that help students become effective and efficient learners. The services available to students are as follows: peer tutoring, academic skill development (test taking strategies, time management counseling, and study techniques), group and individual study spaces, and academic coaching. The ASC is located in University College on the first floor of Dinkins Hall, Suite 106. Please contact the ASC at 803-323-3929 or success@winthrop.edu. For more information on ASC services, please visit www.winthrop.edu/success.

| SCHEDULE | | ENVS 101, FALL 2012 | | <i>Last Revised 7 August 2012</i> | |
|-----------------|---|----------------------------|-------------------------------|-----------------------------------|--|
| | Topic or Activity | Prep for class* | What's due? | | |
| Aug. 21 | Course overview and intro | | | | |
| 23 | Easter Island DVD and discussion | Read Ch. 1 | | | |
| 28 | Brief environmental history | | Easter Island write-up (25) | | |
| 30 | Environmental policies | Read Ch. 5 | | | |
| Sept. 04 | Intro to water issues | Read Water Woes article | Article important points (25) | | |
| 06 | Water issues cont. | Read Ch. 12 | | | |
| 11 | Water issues cont. | View short water videos | | | |
| 13 | Pulling together intro and water issue topics | | | | |
| 18 | Test #1 (100) | | | | |
| 20 | Lifestyles project intro; Intro to Energy topic | Read project description | | | |

| | | | |
|---------|--|----------------------------|-------------------------------|
| 25 | Non-renewable fuels | Read Ch. 15 | |
| 27 | Energy alternatives | Read Ch. 16 | Journal #1 (25) |
| Oct. 02 | Energy issues cont. | Read Nuclear Power article | Article important points (25) |
| 04 | Intro to air issues | Read Ch. 13 | |
| 09 | Air issues | | Journal #2 (25) |
| 11 | Air issues cont.; Smog City | Read Ch. 14 | |
| 16 | Air issues cont. | | Smog city write-up (25) |
| 18 | Climate change and ozone depletion | View short videos | Journal #3 (25) |
| 23 | Pulling together energy and air topics | | |
| 25 | Test #2 (100) | | |
| 30 | Land use intro; group work assigned | | |
| Nov. 01 | Land use: Urban settings | Read Ch. 18 | |
| 06 | Election day (no class) | | |
| 08 | Land use: Forests and Wildlands | Read Ch. 9 | |
| 13 | Land use: Agriculture | Read parts Ch. 7 | |
| 15 | Group presentations | | |
| 20 | Pulling land use topics together | | Group project write-up (25) |
| 22 | Thanksgiving (no class) | | |
| 27 | Test #3 (75) | | |
| 29 | Prep for final exam | | |
| Dec. 04 | Study Day | | |
| 07 | Final exam (100) | | FRIDAY 11:30 AM |

*Chapters are from Essential Environment 4th edition by Withgott and Laposata; articles, projects, videos will be made available through the semester as topic is reached