Introduction to Environmental Science
Syllabus 2003-04

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Mr. Milicia</th>
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<tr>
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<td>(856) 662-2160, ext. 380</td>
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<td>Hours</td>
<td>A: 2nd, B: 2nd, C: 2nd, D: 2nd, 7th, E: 1st, 2nd, F: 2nd, A-F: 8th by appointment only.</td>
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Text and Requirements:

Textbook (covered): *Environmental Science* (Nebel & Wright) Pens, Pencils, Notebook

Goals:
This one-semester course is intended to serve as an introduction to Environmental Science, with focus on conservation, protection of biodiversity, and the search for renewable energy options. The lectures, discussions, and labs will allow you to gain a better understanding of the world around us from more "environmentally conscious" perspective. The degree to which you ultimately achieve these goals really depends on how you approach the course. If you come prepared to learn, take adequate notes and participate in discussion, you will get the most of what is covered and gain a better appreciation of the subject.

Content of the Course:
Introduction/Chapter 1 – Sustainability, Stewardship, and Sound Science

The following three chapters will be assigned as reading & a take home test will serve as a comprehensive review of the material:
Chapter 2 – Ecosystems: Units of Sustainability
Chapter 3 – Ecosystems: How They Work

A Sample of the following chapters will be covered in class:
Chapter 6 – The Human Population: Demographics
Chapter 8 – Soil and Soil Ecosystems
Chapter 9 – Water: Hydrologic Cycle and Human Use
Chapter 11 – Wild Species: Biodiversity and Protection
Chapter 13 – Energy from Fossil Fuels
Chapter 14 – Nuclear Energy: Promise and Problems
Chapter 15 – Renewable Energy
Chapter 21 – The Atmosphere: Climate, Climate Change, and Ozone Depletion
Chapter 24 – Sustainable Communities and Lifestyle

In lieu of a Final Exam, students will be randomly placed in groups of three and asked to give a 15-20 minute presentation related to one of the chapters covered in the fourth quarter. Though not necessary, the use of Powerpoint is encouraged. Each group must present copies of their notes to accompany their presentation. These notes will be distributed to all students, and a separate test consisting of material presented in these student lectures will be given the final day of class. Your exam grade will consist of 50% presentation grade and 50% Final Test grade. More details will follow shortly.
Resources:
Your homework for the course will be posted on the Homework Hero section of the Eustace website (www.eustace.org). My website for the course can be found at www.homepage.villanova.edu/angelo.milicia. A link to it can be found on Homework Hero. Should you ever miss notes, all of my lecture notes are kept in a Binder in my office. You can copy these notes during a free period. I am always available for extra help during office hours and after school by appointment. You are encouraged to see me during your free periods to review any material that you do not understand.

Grades and Evaluation:
Your overall grade will be based on the number of points accumulated from tests, quizzes, and other assignments assigned throughout the semester. A percentage grade will be based upon the number of points earned by the total number of possible points. Test dates will be announced one week in advance.

Quizzes will usually be announced one day in advance. To ensure students are taking notes in class, there will periodically be open-notebook tests. Five points per day will be deducted from late assignments. Since everything is updated on Homework Hero, there should be no excuse for late assignments. Deficiency reports will be mailed mid-quarter if you have failed a major test, have a quarter average below 77%, are missing homework, or are a nuisance in class.

Other Requirements:
1. You are expected to arrive to class on time, prepared with pens, paper, etc. Lateness disrupts the class and annoys me. Once I’ve shut the door, you are late. Five unexcused latenesses will result in notification of Student Affairs.

2. All other assignments are due by the designated date. They are to be typed or neatly written on loose leaf paper. Assignments written on torn, ragged-edged, or soiled paper will NOT be accepted for credit. Late penalties will be assessed to such assignments.

3. If you are absent, it is your responsibility to make up all missed work and return to class prepared for that day’s lesson, test, quiz, etc. Since quizzes and tests are announced in advance, “I was absent yesterday and didn’t know about the test/quiz” will never be an acceptable excuse. If you are absent the day of the test/quiz, be prepared to take it the class period the day you return. If you are absent for 3 or more days, you must see me to arrange a schedule to make up ALL missed work.

You are encouraged to see me outside of class if you have any further questions that were not made clear in class. I welcome any and all questions.