Chemistry 431 - Syllabus 2004-05

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Mr. Milicia</th>
<th>E-mail</th>
<th><a href="mailto:amilicia@eustace.org">amilicia@eustace.org</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Phone</td>
<td>(856) 662-2160, ext. 380</td>
<td>Office Hours</td>
<td>A: 2\textsuperscript{nd}, B: 2\textsuperscript{nd}, 7\textsuperscript{th}, C: 2\textsuperscript{nd}, 8\textsuperscript{th}, D: 2\textsuperscript{nd}, 8\textsuperscript{th}, E: 1\textsuperscript{st}, 8\textsuperscript{th}, F: 2\textsuperscript{nd}, 8\textsuperscript{th}.</td>
</tr>
<tr>
<td>Office</td>
<td>Science Center Room 805</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Text and Requirements:


Lab Manual: *Laboratory Experiments Chem File*

Miscellaneous: Goggles (for Lab), Pens, Pencils, Notebook, Daily Planner

Goals:

This course is intended to serve as an overview of several important topics in Chemistry. Through the lectures and labs, you will begin to think as a Chemist would. The degree to which you ultimately achieve these goals really depends on how you approach the course. If you come prepared to learn, take advantage of my office hours, keep up with the work, and immerse yourself in the material, you will get the most of what is covered and gain a better appreciation of what it means to be a Chemist.

Content of the Course:

Introduction to Chemistry and Nomenclature (Chapter 7-1)

Essential Math for Chemistry (Chapter 2)

Stoichiometry (Chapters 3 and 7)

Chemical Equations and Reactions (Chapter 8)

Stoichiometry of Reactions (Chapter 9)

Gas Laws (Chapter 10)

Molecular Composition of Gases (Chapter 11)

Early and Modern Atomic Theory (Chapters 3-1, 3-2, and 4)

The Periodic Table (Chapter 5)

Chemical Bonding (Chapter 6)

Liquids and Solids (Chapter 12)

Solutions (Chapter 13)

Acid and Base Chemistry (Chapters 15 and 16)

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, lab reports, homework and other assignments. 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 everyone is taking notes and paying attention in class, random unannounced notebook quizzes may be given periodically. **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. Lab Reports are due on the next cycle lab day. Typed lab reports are preferred. Sloppy Lab Reports and those that do not conform to the format specified **WILL NOT BE ACCEPTED.**

3. All other assignments are due in class on 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. If you do not hand in your assignment during the period it is due, you will not receive full credit.

4. 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.

5. Your presence in the lab is a privilege and not a right. You are expected to behave in an appropriate manner. Any behavior that may be deemed inappropriate is grounds for removal from the lab and a zero for that assignment.

6. Any homework assignment that has been copied from another person will receive a grade of **ZERO and Student Affairs will be notified.** This applies to all assignments. The person whose work was copied work will also receive a **ZERO** for that assignment.