PROJECT – SPRING 2006 – CHEMISTRY 206

PROJECT DESCRIPTION
The project component of this course will consist of two (2) major components. Each component will be described in detail below. The first component will involve both individual and group elements. The second component will be completed individually. All assignments are due by 5:00 PM on the day stated. Assignments turned in after 5:00 PM will be counted as one (1) day late. Late assignments will lose 10% of their value per day. Anything turned in more than one (1) week late will receive half credit.

TRANSFORMATION PAPER
This is a group research assignment and an individual writing assignment and will consist of writing a paper on a particular transformation (reaction). The paper will focus on how this transformation would be performed in lab. This assignment will consist of two parts:

1.) Choice of transformation
   This part of the assignment consists of deciding upon the transformation your group wishes to research and informing your instructor of your choice. A list of appropriate transformations can be found in the possibilities list located under the project section of the course web page. Each group will be required to write about a different transformation, so if you really want to research one transformation in particular, let your instructor know your choice as soon as possible. Due March 7, 2006 at 6:00 PM

2.) Paper
   This part of the assignment is an individual assignment and consists of writing a short paper (3 pages, minimum, double spaced) on how your group’s transformation can be performed in an organic chemistry laboratory. Details about the style and content are given can be found under the project section of the course web page. Do not forget to reference all sources properly. In this course we will use the ACS reference format. A copy of The ACS Style Guide can be found on reserve in the Parkland College Library. In addition, a copy can be found on reserve at the Chemistry Library at the University of Illinois. You will be required to turn in a copy of all articles referenced in your paper. Due April 25, 2006 at 6:00 PM

FORMAL LAB REPORT
This assignment will consist of two parts:

1.) Choice of lab
   This part of the assignment consists of deciding which lab you will write up for your formal lab report. You will be required to write up one of the following personal choice labs: The Pinacol-Pinacolone Rearrangement, Preparation of Sulfanilamide, or Synthesis and Analysis of a Sunscreen. Additional labs may be deemed eligible to be written up also; these labs will be identified when the personal choice lab assignments are handed out. Due April 18, 2006 at 6:00 PM

2.) Report
   This is an individual assignment that will require writing a formal lab report for the lab you chose. Details about the style and content are given can be found under the project section of the course web page. Do not forget to reference all sources properly. In this course we will use the ACS reference format. A copy of The ACS Style Guide can be found on reserve in the Parkland College Library. In addition, a copy can be found on reserve at the Chemistry Library at the University of Illinois. Due May 9, 2006 at 6:00 PM.
ASSIGNMENT SCHEDULE

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
<th>Handed Out By</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Choice of Transformation</td>
<td>5</td>
<td>January 18, 2006</td>
<td>March 7, 2006</td>
</tr>
<tr>
<td>Transformation Paper</td>
<td>45</td>
<td></td>
<td>April 25, 2006</td>
</tr>
<tr>
<td>Choice of Experiment</td>
<td>5</td>
<td>March 31, 2006</td>
<td>April 18, 2006</td>
</tr>
<tr>
<td>Formal Lab Report</td>
<td>45</td>
<td></td>
<td>May 9, 2006</td>
</tr>
</tbody>
</table>