Office and Contact Info: Kenan Labs C-142 (office), 962-9429  tlaustell2013@unc.edu
Office Hours: To be announced in class; ask questions at the many, many help-sessions (30+ hrs)...TBA.

***Important Note:*** Chem. 102 (or 102H) is a prerequisite for Chemistry 261. C- or higher grade required. Students lacking the proper prerequisites will be dropped from this course.

**Texts & Resources:**
- Organic Chemistry, Paula Yurkanis Bruice,… 6th Ed. (UNC Custom version only)
- Student Study Guide & Solutions Manual, to accompany Bruice, 6th Ed. (same as above)
- Pushing Electrons, Weeks, 3rd or 4th Edition (USED OK IF BLANK)
- "Molecular Structure Model Kit", (HGS C-set). (USED OK)
- Organic Chem Class Notes (Course Pack) (Avail. at UNC Course Packs January 8)
- A pack or two of 4x6 or 3x5 index cards
- A good, sturdy three-ring binder notebook.
- A pack or two of 4x6 or 3x5 index cards (recommended).

**TENTATIVE Class Lecture Schedule (specifics will be posted on Sakai):**

<table>
<thead>
<tr>
<th>Lecture Months</th>
<th>Text and Coursepack</th>
<th>Traynham</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-Exam I</td>
<td>Chapters 1,2,5</td>
<td>Chapters 1-4 or 5</td>
<td>Chapters 1-2</td>
</tr>
<tr>
<td>February/March-Exam II</td>
<td>Chapters 3,4,6,7</td>
<td>Chapters 9, 6, 7, 8</td>
<td>Chapter 3</td>
</tr>
<tr>
<td>March/April-Exam III</td>
<td>Chapters 8-10</td>
<td>Chapters 10,11</td>
<td>Chapter 4</td>
</tr>
<tr>
<td>April-End of Classes</td>
<td>Chapters 12,13,14</td>
<td>Chapters 12,13,14</td>
<td>Review Chs. 1-4</td>
</tr>
</tbody>
</table>

**Tentative Midterm Exam Dates:** February 5, 7; March 7, 19; April 9, 11. (TBA)
Last day to DROP a class: Tuesday, March 5.
NO CLASS on Tuesday, March 12 and Thursday, March 14 (Spring Break).
Last Day of Class: Thursday, April 25.
FINAL EXAM: Saturday, May 4 at NOON.

**Exams:** There will be 3 midterm exams (25% each) and a final exam (50%). Only the best two midterms count toward final grade. If you miss an exam for any reason (sickness, oversleep, university activity, family emergency, etc), that is your DROP. Plan your semester schedule accordingly.
Do your absolute best to attend all exams… so you can drop your poorest performance.

**Grading Scale:**

<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>93-100</td>
<td>A</td>
</tr>
<tr>
<td>90-92</td>
<td>A-</td>
</tr>
<tr>
<td>87-89</td>
<td>B+</td>
</tr>
<tr>
<td>83-86</td>
<td>B</td>
</tr>
<tr>
<td>80-82</td>
<td>B-</td>
</tr>
<tr>
<td>74-79</td>
<td>C+</td>
</tr>
<tr>
<td>66-73</td>
<td>C</td>
</tr>
<tr>
<td>60-65</td>
<td>C-</td>
</tr>
<tr>
<td>50-59</td>
<td>D</td>
</tr>
<tr>
<td>&lt;50</td>
<td>F</td>
</tr>
</tbody>
</table>

When the Final Grades are calculated, all fractional points are rounded from two decimal places to the nearest integer grade. (for example 89.49 rounds to 89)

**Previous Chem 261 Grade**

<table>
<thead>
<tr>
<th>A's 10.7%</th>
<th>A-'s 6.5%</th>
<th>B+'s 6.7%</th>
<th>B's 10.2%</th>
<th>B-'s 8.9%</th>
</tr>
</thead>
<tbody>
<tr>
<td>C+'s 14.5%</td>
<td>C's 22.0%</td>
<td>C-'s 3.6%</td>
<td>D's 9.1 %</td>
<td>F's 7.8%</td>
</tr>
</tbody>
</table>

**Stats (last 3 classes)**

**Your attendance at every class meeting is mandatory. If you think you'll have trouble waking up or plan to miss some classes for other reasons, my advice is NOT to take this course.**

**Assigned Seating In Class:** If low attendance becomes an issue, I may assign seating on a class-by-class basis to approximately 20 random students at each class. In the past when I’ve done this, we’ve called these front assigned seats the “rows of honor.” Students haven't liked it. Assigned seating is an option I prefer not to have. If I must resort to this, when you miss class on one of your randomly assigned days, 2 points will be deducted from your highest midterm exam score at the semester's end.
Email and Web Usage: Email and SAKAI (http://sakai.unc.edu/) will be used extensively to manage this course. Handouts, useful web links, assignments, grade information will be available at the SAKAI site. You’ll need a UNC ONYEN and password to log into the sakai site. You can also participate in a class discussion FORUM at this site. Check it out. You MUST check your email and/or SAKAI at least two times a day while in the class. (morning and after dinner are best times)

Honor Code Issues:
Policy adopted by the faculty of the Department of Chemistry on Sept. 9, 1977:
"Since all graded work (including homework to be collected, quizzes, papers, mid-term examinations, final examinations, research proposals, laboratory results and reports, etc.) may be used in the determination of academic progress, no collaboration on this work is permitted unless the instructor explicitly indicates that some specific degree of collaboration is allowed. This statement is not intended to discourage students from studying together or working together in assignments with are not to be collected."

Other Honor Code Clarifications (READ CAREFULLY):
1) You may receive no outside assistance on any homework assignments or take-home exams which will be counted toward your final grade. There will be few if any of these. **You are encouraged to work together on the recommended problems in the text.**
2) You may not submit class notes from this course to any online or "pay" resource. Doing so will be deemed a UNC-CH Honor Code violation.

Important Requests, Requirements, and Penalties:
1) Please be on time for all classes and exams. Additional exam time not be allowed if you're late.
2) Ringing/audible cell phones and texting are not permitted in class. This is both distracting and disrespectful. Note: If your cell phone rings/beeps/etc in class, you are required to come down and tell me after class. You'll receive a one point deduction from your next exam. This is not a big deal. Not identifying yourself is an Honor Code Violation. This is a big deal.
3) Laptop computers must be turned off and closed during lecture.
4) Headphones may not be worn in class unless I specifically give you permission. (hearing aid)
5) Please do not leave me phone messages and ask me to return them unless it's an extreme emergency. I usually have too many messages to even attempt to reply in a given day.

Study Habits and Problem Solving: I'll assign a list of problems you should work on a daily basis. The text contains a number of good practice problems. It is essential that you work problems in the manner described below (Study Tips) in order to adequately learn from this course.

**Study Tips and Guidelines For Organic Chemistry**
(This class is different than any you've had before. Treat it differently! Keep up!)

1. You must read all the chapters as we cover the material in class. Reading a chapter more than once will often be necessary. If you let yourself get behind in an organic chemistry class, it is often difficult if not impossible to properly catch up.

2. Doing as many problems as humanly possible is essential to you passing this class. You cannot do too many problems for this class. Use your Study Guide & Solutions Manual but do not become overly dependent on it. Work problems first without looking at the answers. **If you can't get a problem correct without looking at the answer, you have a problem!** Don't rely on the solutions manual. Try to do problems in an "exam-like" scenario without the solutions manual. This is the only way to know you are truly comprehending the material. I'll be having at least two help-sessions a week (time TBA) to help you and to answer any of your questions. Schedule your life where you can attend the help-sessions. I’ll vary the times to try to accommodate as many of you as possible.
3. Get a study partner or form a study group of 3 or 4! This helps immensely in a class like this. You can check each others’ homework, ask each other questions, explain things to one another, and compare class notes. Have your study partner check your problems so you can redo incorrect ones without looking at the solutions manual.

4. Send and exchange questions/answers on the class Discussion Forum at the sakai site.

5. At the first sign of trouble, SEE ME! I CAN HELP!

GENERAL CHEMISTRY REVIEW PRIOR TO COURSE (virtual lectures on the wwwweb)

Review the following topics. You must know them well (from gen. chem.) before you start the class: Lewis structures, resonance structures, molecular geometry, polarity, acid-base chemistry, resonance, molecular bonding (sigma and pi), atomic orbitals, orbital hybridization (sp, sp², sp³).

-Go through the lectures (Electronic structure, Chemical Bonds, Molecular Shape & Bonding) at the following website…
  http://ull.chemistry.uakron.edu/genchem/  Best to save PDF’s for review.

Plenty of good resources including practice quizzes/exams for each chapter. (not required)

-The CHEMFINDER Website… I'll use this often in class.  http://www.chemfinder.com

Make sure to download the free JAVA Plugin for your computer ASAP. You'll need it for this and for many other organic websites which show 3-D structures.

http://www.java.com/en/  Note: There are MANY other resourceful websites on SAKAI. Check them out and use them.  Google Jmol 3D Chemistry Structures and other things like that. Cool stuff! Here's a great one:

http://www.edinformatics.com/interactive_molecules/3D/  

-Some other good organic chemistry tutorials around the web…

http://web.chem.ucla.edu/~harding/tutorials/tutorials.html
…contains good pertinent gen. chem., review…

NOTE: Google for organic chemistry tutorials and help sites on your own. There are plenty of them.

A few more words so you know a little bit more about your instructor:

A few more words so you know a little bit more about your instructor:
Todd L. Austell, Ph.D. (Please call me Todd) Born sometime in the 1960's in Shelby, NC.
B.S. Chemistry (B.S. Biology), UNC 1987.
First majored in Math and Pre-med. before changing to the above.
Lived in Granville and then R.A'ed in Ehringhaus as an undergrad.
DOE Fellowship in Nuclear Chemistry, San Jose (SJSU), California, Summer 1986.
Reentered UNC Graduate School in 1988.
Dissertation Title: Electrospray and Microelectrospray Ionization: Applications with Mass Spectrometry.
Visiting Chemistry Prof. at UNC Fall 1995 - Summer 1997.
General College advisor at UNC Summer 1995 - Summer 1997.
Previous Teaching Experience: Chem. 101,102,241,261,101L,102L, 441L, 481L.
Assistant Professor at United States Air Force Academy in Colorado Springs, Colorado from July 1997 - June 1998.
Current Positions: Research Assistant Professor in UNC Chemistry Dept. since July 1, 1998.
Director of General Chemistry Laboratory (Chem. 101L/102L) program since July 1, 1998.
Director of the Chemistry Tutorial Program since August of 1999. Located in Kenan Labs C143.
General College advisor for science majors, for the Johnston Scholars Program, and for the Covenant Scholars program.
Departmental advisor for Chemistry majors.
Current Research: Use of technology in chemistry education. Affect of mathematical skills on performance in chemistry education.
Personal Ongoing Readings/Research:
-Scientific correlations and support of the Bible.
-Origins research.
-Human sexuality.
Random Stuff: Volunteer Campus Tour Guide at UNC from 1990-2001. Still occasionally give tours and help out at U'grad. Admissions. I worked extensively with Student Ticket distribution for football and b-ball on campus for 6 years while in graduate school. I can help you understand the distribution process if you're confused. I go to many UNC sports events.
Hobbies: Racquetball, Disc Golf, Ultimate Frisbee, Four-wheeling, Gardening, Hiking and Rock Climbing, Basketball, Physical Fitness,...and a true-blue Carolina fan of all sports.
Interests: Time with family, music (listening to), gardening, electronics, computers, Bible study, and science in general.

Other important information: A Christian since 1976 and attendee of the Chapel Hill Bible Church.

Faculty sponsor/advisor for the UNC Fellowship of Christian Athletes.
Faculty advisor UNC Student/Faculty Christian Fellowship.