### Course Information

**Instructor:** Professor Nancy Totah  
office: 3-004 CST  
phone: 443-2657  
email: ntotah@syr.edu

**Office Hours:**  
T: 11:30 am - 1:00 pm  
W: 11:30 am - 1:00 pm  
Additional times are available by appointment.

**Teaching Assistants:**  
Mr. Debjyoti Bandyopadhyay  
dbandyop@syr.edu  
Mr. Andrew Basner  
adbasner@syr.edu  
Mr. Chris Russo  
crusso@syr.edu  
Mr. Dennis Viernes  
drvierne@syr.edu  
Office: 124 LSB; office hours to be announced.

**Web Page:**  
http://chemistry.syr.edu/totah/CHE325/

**Lecture:**  
MWF 9:30 - 10:25 am  
001 Life Sciences Building

**Recitation:**  
Recitation M002  
W 3:45 pm - 5:05 pm  
011 LSB  
Recitation M003  
Th 3:30 pm - 4:50 pm  
011 LSB  
Recitation M004  
W 7:00 pm - 8:20 pm  
104 SLOC  
Recitation M005  
Th 5:00 pm - 6:20 pm  
011 LSB  
Recitation M006  
M 5:15 pm - 6:35 pm  
105 LSB  
Recitation M007  
T 3:30 pm - 4:50 pm  
210 Arch  
Recitation M008  
W 3:45 pm - 5:05 pm  
004 SOM  
Recitation M009  
M 5:15 pm - 6:35 pm  
110 MAX

Recitations provide a forum to ask questions, clarify concepts, and develop problem solving skills. Please take advantage of this resource. You may attend as many recitations as you like each week. Recitations will begin the week of January 24th. Recitations will not be held on Thursdays in weeks in which an exam is scheduled.

**Prerequisite:** A passing grade in CHE 275 is required. A grade of C or better in CHE 275 is strongly recommended.

**Text Book:**  
J. McMurry, "Organic Chemistry w/Biological Applications", 2nd ed. (required)

**Other Materials:**  
S. McMurry, "Study Guide & Solutions Manual" (required)  
Selected Handouts - distributed via the course website (required)  
OWL Online Homework Access Code (required)  
Molecular Model set (recommended)

**Lecture Notes:** Class notes will not be distributed. If you would like lecture notes, you must come to class. If you choose not to come, you are still responsible for the material that is presented. Supplemental handouts, problem sets, and copies of any projected material will be posted on the course website. Please check the website to get relevant handouts before coming to class.
Grades: Final grades will be based on the following point scale (680 total points):

- Exams (100 pts each) .......................................................... 400 pts
- OWL (10 points each; lowest score is dropped) ..................... 80 pts
- Final Exam .......................................................................... 200 pts

Exams: There will be 4 regular exams, each of 90 minute duration. All exams will be closed book, and will consist of problems and essay type questions. Answers must be written in non-erasable blue or black ink. Emphasis for each regular exam will be placed on material covered since the preceding exam. However, as the study of organic chemistry builds upon itself, all exams will be comprehensive. Be prepared to apply previously learned concepts to material encountered later in the semester. The final exam will also be comprehensive. Scores and answer keys will be posted on the Course Website. Exam rooms will be announced. Exam dates and times are indicated below - there are no alternate exam times. If you miss an exam you will receive a zero unless you provide documentation for a medical or other emergency. There are no make-up exams.

Exam I: Thursday, February 17, 2011 5:15 - 6:45 pm
Exam II: Thursday, March 10, 2011 5:15 - 6:45 pm
Exam III: Thursday, April 7, 2011 5:15 - 6:45 pm
Exam IV: Thursday, April 28, 2011 5:15 - 6:45 pm
Final: Friday, May 6, 2011 12:45 - 2:45 pm

If you require special accommodations for an exam, please let me know as soon as possible, but no later than 1 week prior to the exam. After that time, I will consider existing exam accommodations to be satisfactory.

Regrades: If you feel a mistake has been made in grading your exam, please turn it in to my mailbox in 1-014 CST not later than 1 week after the initial date of return. Exams for regrade must be written in ink (NOT ink over pencil), and have the point in question clearly marked on the front page. Exams on which additional marks have been made or have pencil erasures will not be regraded. Exams submitted for regrade will be considered in their entirety. After 1 week, all grades are final.

Online Homework: Graded Homework will be assigned through OWL on a weekly basis. Assignments and due dates will appear on OWL and will also be posted on the Course Website. The lowest homework score will be dropped.

Additional Problems: Working problems (e.g. reasoning through the questions and writing down your answers) is one of the best ways to prepare for the exams. As such, additional problems will be assigned from your text and supplemental problem sets will be supplied. These activities will not be graded but it is in your best interest to do as many of these problems as possible.

Academic Honesty: Students enrolled in the course are expected to exhibit honesty in all academic endeavors. Cheating in any form will not be tolerated. Any incidence of academic dishonesty, as defined by the Syracuse University Academic Integrity Policy (see: http://academicintegrity.syr.edu), will result in both formal notification of the College of Arts & Sciences and a failing grade (F) in the class.
## Course Outline

<table>
<thead>
<tr>
<th>Topic</th>
<th>Chapter</th>
<th>Pages</th>
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<td>Structure Determination: Nuclear Magnetic Resonance</td>
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<td>Aromatic Compounds</td>
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<td>309-366</td>
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<td>Alcohols, Phenols, and Thiols; Ethers and Sulfides</td>
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<td>Preview of Carbonyl Chemistry</td>
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<td>Aldehydes &amp; Ketones: Nucleophilic Addition Reactions</td>
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<td>Carboxylic Acids &amp; Nitriles</td>
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<td>Carboxylic Acid Derivatives: Nucleophilic Acyl Substitution</td>
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<tr>
<td>Carbonyl Alpha-Substitution and Condensation Reactions</td>
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<td>Amines and Heterocycles</td>
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<td>750-790</td>
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<tr>
<td>Selected Topics</td>
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## How To Access Owl

If you purchased a two semester (24 month access code)

1. Go to [http://www.cengage.com/owl](http://www.cengage.com/owl). Then:
   a. choose "organic chemistry", then select "Log In"
   c. choose your school: "Syracuse University"
   d. click the blue arrow under "User Login Page". (you can bookmark this page for future use).
   e. Log in using your user name and password from last semester. If you have forgotten your login information, use the Login Help on the login page to have it resent to you.

2. use the Add/Switch link to put yourself into the course: CHE325: Organic Chemistry II (Spring 2011)

If you purchased a one semester (6 month) access code or need to register for OWL for the first time, see [http://chemistry.syr.edu/totah/che325/support/7a1.OWL/registration.html](http://chemistry.syr.edu/totah/che325/support/7a1.OWL/registration.html) for complete instructions.
Teaching assistants will hold office hours in room 124 LSC at the times indicated below. Please feel free to visit any of the TAs with questions about lecture materials. Professor Totah will hold office hours in 3-004 CST.

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
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<tbody>
<tr>
<td>9-10</td>
<td>CHE325 Lecture</td>
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<td>11-12</td>
<td>Debjyoti Bandyopadhyay</td>
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<td>Chris Russo</td>
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<td>4-5</td>
<td>Rec M007 210 Arch</td>
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