CHM 530  Synthetic Organic Chemistry
Professor Erik J. Sorensen
Professor Todd K. Hyster

A mechanism-based course on organic synthesis for advanced undergraduates and beginning graduate students who wish to learn chemical synthesis of organic compounds. Course deals with various classical and modern synthetic methodologies. Particular emphasis is placed on understanding scope, limitations, and selectivity based on the mechanism, with the goal to understand fundamental principles underlying each synthetic method. The knowledge and perspective acquired in this course is expected to provide sufficient foundation to understand and use the research literature in organic synthesis.

Sample reading list:
REQUIRED: Maruzen 5000, Biochem Molecular Modeling Kit
Recommend: Kurti & Czako (Elsevier), Strategic Applications of Name Reactions/Organic Synthesis
Recommend: Carriera & Kvaerno (Wiley), Classics in Stereoselective Synthesis
Recommend: Corey & Cheng (Wiley), Logic of Chemical Synthesis

Reading/Writing assignments:
Recommended material will be listed on course syllabus.

Other information:

Schedule/Classroom assignment:

<table>
<thead>
<tr>
<th>Class number</th>
<th>Section</th>
<th>Time</th>
<th>Days</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>20262</td>
<td>L01</td>
<td>7:00 – 10:00 p.m.</td>
<td>M</td>
<td>Frick A57</td>
</tr>
</tbody>
</table>

PROGRAM INFORMATION

TO ENROLL: Notify Meredith LaSalle-Tarantin ml28@Princeton.EDU with your full name, the name of your company or Princeton University department, and your e-mail address.
PARKING: Ample parking is available in Lot 21, which is located at the intersection of Faculty Road and Fitz Randolph Road. The lot is located in the lower right-hand corner of the following online campus map:

IMPORTANT DATES
First Day of Class:  Monday, September 21
Fall Recess:  October 31 - November 8
Reading Period/Make-up Lectures:  January 4-12
Final Exam Period:  January 13-23