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| <p><b>Organic Chemistry</b><br/> <b>CHEM 336</b><br/> <b>Fall 2017</b></p> |
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Meetings: MWF, 1:00-1:50 pm  
 Location: Building LaT, Room 201

Instructor: Dr. Douglas A. Klumpp  
 Email: dklumpp@niu.edu  
 Office: Building FR, Room 335  
 Office Hours: MF, 2:00-3:00 pm; T 2:00-3:00 pm  
 and by appointment.

Textbook: **Organic Chemistry, 11<sup>th</sup> Ed**  
 Solomons, Fryhle, and Snyder  
 Wiley & Sons, NY, NY

**Grades:**

The course grade will be assigned based on your point totals from the hour exams and the final. There will be four hour exams given on 9/22, 10/13, 11/3, and 12/1. If an exam is missed, the 100 points from that exam will be placed on your final (i.e. your final becomes a 300 point exam). No make up exams will be given. If more than one exam is missed, or both an exam and the final are missed, zeroes will be assigned for the exam(s). The final will be comprehensive, but it will also contain some new material given after exam 4. NOTE: by enrolling in this class, you have agreed to take the final on the scheduled date and time (Wed. 12/13, noon to 2 pm). The final exam cannot be rescheduled for individuals.

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|-----------------------------|----------------|
| Mid-term 1 (9/22)           | 100 pts        |
| Mid-term 2 (10/13)          | 100 pts        |
| Mid-term 3 (11/3)           | 100 pts        |
| Mid-term 4 (12/1)           | 100 pts        |
| Final exam (12/13, 12 noon) | 200 pts        |
| <b>Total Points</b>         | <b>600 pts</b> |

Approximate Scale (+ and – will also be used):

Average Grade      A (100-85%), B (84-70%), C (69-55%), D (54-40%)

### Tentative Schedule

| Lecture Dates           | Chapters  | Subject   |
|-------------------------|-----------|---|
| 8/28 to 9/1             | <b>1</b>  | Bonding, orbitals, structures                   |
| 9/6 to 9/11             | <b>2</b>  | Functional groups, forces, IR spectra           |
| 9/13 to 9/18            | <b>3</b>  | Acid-base chemistry, thermodynamics             |
| 9/22                    |           | <b>Exam 1</b>                                   |
| 9/20 to 9/25            | <b>4</b>  | (Cyclo)alkanes, conformations, and nomenclature |
| 9/27 to 10/4            | <b>5</b>  | Stereochemistry                                 |
| 10/13                   |           | <b>Exam 2</b>                                   |
| 10/6 to 10/13           | <b>6</b>  | Substitution and elimination                    |
| 10/16 to 10/20          | <b>7</b>  | Synthesis of alkenes                            |
| 10/23 to 10/30          | <b>8</b>  | Addition reactions                              |
| 11/3                    |           | <b>Exam 3</b>                                   |
| 11/1 to 11/10           | <b>9</b>  | NMR   |
| 11/13 to 11/17          | <b>10</b> | Radical reactions                               |
| 12/1                    |           | <b>Exam 4</b>                                   |
| 11/27 to 12/8           | <b>11</b> | Alcohols and ethers (and maybe thiols)          |
| 12/13 (12 noon to 2 pm) |           | <b>Final Exam</b>                               |