

## Tentative Lecture, Reading, and Examination Schedule

**Text:** Wade, *Organic Chemistry*, 9th edition.

| <u>Dates</u>            | <u>Topics</u>   | <u>Readings</u>  |
|-------------------------|---|--|
| Jan. 22, 27             | Structure and Bonding.  | <u>1</u> : 1–19.   |
| Jan. 27                 | Acids and Bases; Functional Groups.                               | <u>2</u> : 1–17.   |
| Jan. 29, Feb. 3, 5, 10  | Structure and Stereochemistry of Alkanes.                         | <u>3</u> : 1–16.<br><u>8</u> : 10.<br>Problem 8-23.<br><u>10</u> : 8, 9F, 10A.<br>Problems 10-11,<br>10-12, 10-21,<br>and 10-22. |
| Feb. 10, 12, 17         | The Study of Chemical Reactions.                                  | <u>4</u> : 1–16.   |
| Feb. 17, 19, 24         | Stereochemistry.  | <u>5</u> : 1–16.   |
| Feb. 26                 | EXAM #1 (through The Study of Chemical Reactions.)                |  |
| March 2, 4, 9           | Alkyl Halides: Nucleophilic Substitution.                         | <u>6</u> : 1–16.   |
| March 9, 11, 23         | Structure and Synthesis of Alkenes: Elimination.                  | <u>7</u> : 1–19.   |
| March 23, 25, 30        | Reactions of Alkenes.   | <u>8</u> : 1–17.<br><u>11</u> : 11B.<br>Problem 11-30.   |
| April 1                 | EXAM #2 (cumulative, through Structure and Synthesis of Alkenes.) |  |
| April 6                 | Reactions of Alkenes (continued).                                 |  |
| April 6, 8              | Alkynes.  | <u>9</u> : 1–10.   |
| April 8, 13             | Structure and Synthesis of Alcohols.                              | <u>10</u> : 1–12.  |
| April 13                | Reactions of Alcohols.  | <u>11</u> : 1–14.  |
| April 15, 20            | Infrared Spectroscopy and Mass Spectrometry.                      | <u>12</u> : 1–15.  |
| April 22, 27, 29, May 4 | Nuclear Magnetic Resonance (NMR) Spectroscopy.                    | <u>13</u> : 1–14.  |
| May 6                   | EXAM #3 (cumulative, through NMR Spectroscopy.)                   |  |