

Tentative Lecture, Reading, and Examination Schedule

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

| <u>Dates</u> | <u>Topics</u> | <u>Readings</u> |
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| 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. <u>8</u> : 10. Problem 8-23. <u>10</u> : 8, 9F, 10A. Problems 10-11, 10-12, 10-21, 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, April 1 | Reactions of Alkenes | <u>8</u> : 1–17. <u>11</u> : 11B. Problem 11-30. |
| April 1, 6 | Alkynes | <u>9</u> : 1–10. |
| April 6 | Structure and Synthesis of Alcohols | <u>10</u> : 1–12. |
| April 8 | EXAM #2 (cumulative, through Structure and Synthesis of Alkenes) | |
| April 13 | Structure and Synthesis of Alcohols (continued) | |
| 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 | Review Session | |
| May 11 | EXAM #3 (cumulative, through NMR Spectroscopy) | |