Brooklyn College of the City University of New York  
Department of Chemistry  

Chemistry 50 - Course Outline Spring 2010

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**ALL CELLPHONES AND TEXT MESSAGING DEVICES ARE TO BE TURNED OFF BEFORE ENTERING THE ROOM!**

Semester Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Lecture</th>
<th>Suggested Problems</th>
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<tbody>
<tr>
<td>02/01-02/03</td>
<td>Introduction</td>
<td>1-4, 6, 7, 9-12, 15-17, 20-22, 25-27</td>
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<tr>
<td></td>
<td>Chapter 1 - Bonding and Isomerism</td>
<td>32, 34, 35, 36(a-d,f,h), 38-40, 45(b,d,f)</td>
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<tr>
<td>02/08-02/10</td>
<td>Chapter 2 - Alkanes and Cycloalkanes; Conformational and Geometric Isomerism</td>
<td>1, 3-7, 9, 11, 12, 16, 19-21, 24-28, 31, 34, 39, 43, 46, 48</td>
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<td>02/17-02/18</td>
<td>Chapter 3 - Alkenes and Alkynes</td>
<td>2(a-c), 3, 4, 6, 8-15, 19-21, 24, 27, 28-32, 34(a,b,d,e), 35(a-e,g,j), 38, 39, 52, 53, 56, 57, 59</td>
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<tr>
<td>02/22-02/24</td>
<td>Chapter 4 - Aromatic Compounds</td>
<td>6, 7(a-d,f), 8, 9(a,b), 16, 17, 20, 22, 36(a-d), 37, 39(a-c), 40</td>
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<td>03/01-03/03</td>
<td>Chapter 5- Stereoisomerism</td>
<td>2-4, 8-11, 15-19, 24, 26(a-c,f,h,i), 31, 34, 36(a,b), 38, 43, 49</td>
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<td>03/03/2010</td>
<td>First Examination, Chapters 1-4</td>
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<tr>
<td>03/08-03/15</td>
<td>Chapter 6 - Organic Halogen Compounds; Substitution and Elimination Reactions</td>
<td>1, 2, 4, 5, 8b, 9, 12(a-c,e), 13(a,c-e), 14, 15(a,b), 18, 20, 21, 24, 26a, 27</td>
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<td>03/17-03/22</td>
<td>Chapter 7 - Alcohols, Phenols and Thiols</td>
<td>1(a,b), 2, 3, 6, 12, 13, 17,19, 21, 24(a), 26-28, 30-32, 36, 38, 44, 45</td>
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<tr>
<td>03/22-03/24</td>
<td>Chapter 8 - Ethers and Epoxides</td>
<td>1a, 2-4, 6, 7, 9, 11, 15-20, 22, 24-29,</td>
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</tbody>
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Omit 8.9

03/24-04/07  Chapter 9 - Aldehydes and Ketones
Omit 9.14-9.19
1-9, 11, 14, 16-22, 30, 31, 34, 35, 37, 41-44

04/12-04/14  Chapter 10 - Carboxylic Acids and
Their Derivatives
Omit 10.22
1-3, 5, 9-11, 13, 16, 19, 22, 23, 26, 29, 31a, 33, 34, 37, 38, 42, 44, 47-49, 53(a-d), 54

04/14/2010  Second Examination, Chapters 5-9

04/19-04/21  Chapters 11 - Amines and Related
Nitrogen Compounds
Omit 11.9, 11.12-11.13
1-12, 17, 19, 24, 25(a-e,j), 33, 34

04/26-04/28  Chapter 15 - Lipids and Detergents
Omit 15.9
2, 3, 5, 6, 10(a,c,d,f), 12, 14(a)

04/28-05/03  Chapter 16 - Carbohydrates
1, 4-6, 9, 11, 12, 14, 15, 19, 21a, 33, 34, 38, 43, 52

05/05-05/10  Chapter 17 - Amino Acids, Peptides
and Proteins
Omit 17.11-17.12
1, 2, 4, 8, 11-14, 17, 21-25, 29, 33, 34(a-e), 36, 40, 53, 58-60

05/12-05/17  Chapter 18 - Nucleotides and Nucleic
Acids
Omit 18.7
1, 3, 5, 11, 13, 19-21, 28

Chapter 12 - Spectroscopy and
Structure Determination
Topics to be Announced

COMPREHENSIVE FINAL EXAMINATION

Determination of Final Grade:

25% (Average of Two Exams)
25% (Average of Six Quizzes)
25% (Laboratory)
25% (Final Exam)

PLEASE NOTE: The Last Day to Drop Classes is Tuesday, April 20.