

## Weekly Calendar

Week	Learning Outcomes	Assignments	Vodcasts
1	<p><b>Objectives Chapters 1 &amp; 2 Wade</b></p> <ul style="list-style-type: none"> <li>a) Atomic Structure</li> <li>b) Electron Configurations</li> <li>c) Electron Diagrams</li> <li>d) Lewis Dot Structures</li> <li>e) Resonance</li> <li>f) Acids and Bases</li> <li>g) Molecular Orbital Theory</li> </ul>	<ol style="list-style-type: none"> <li>1. Discussion #1: Introductions- due Monday at midnight</li> <li>2. Online HW CH 1: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> - due Monday at midnight</li> <li>3. Lab 1 and Lab 2 - due Tuesday at midnight</li> </ol>	<ul style="list-style-type: none"> <li>• Lab Orientation: <a href="http://echo.parker.edu/ess/echo/presentation/b504112d-e69e-413e-9675-d77ccb37de07/media.m4v">http://echo.parker.edu/ess/echo/presentation/b504112d-e69e-413e-9675-d77ccb37de07/media.m4v</a></li> <li>• Lecture 1: <a href="http://echo.parker.edu/ess/echo/presentation/9cdac86e-d70f-49f1-94d1-0c58d02a3bf9/media.m4v">http://echo.parker.edu/ess/echo/presentation/9cdac86e-d70f-49f1-94d1-0c58d02a3bf9/media.m4v</a></li> <li>• Lecture 2: <a href="http://echo.parker.edu/ess/echo/presentation/bcacb086-9ba1-44b3-88f9-a7a1985fdae/media.m4v">http://echo.parker.edu/ess/echo/presentation/bcacb086-9ba1-44b3-88f9-a7a1985fdae/media.m4v</a></li> <li>• Lecture 3: <a href="http://echo.parker.edu/ess/echo/presentation/1d0c69a6-d48c-48be-891c-ff2292d907df/media.m4v">http://echo.parker.edu/ess/echo/presentation/1d0c69a6-d48c-48be-891c-ff2292d907df/media.m4v</a></li> <li>• Lecture 4: <a href="http://echo.parker.edu/ess/echo/presentation/b036337f-5952-45c2-9676-ff609e722dc5/media.m4v">http://echo.parker.edu/ess/echo/presentation/b036337f-5952-45c2-9676-ff609e722dc5/media.m4v</a></li> </ul>
2	<p><b>Objectives Chapters 2 &amp; 3 Wade</b></p> <ul style="list-style-type: none"> <li>a) Sigma and Pi Bonding</li> <li>b) Hybridization</li> <li>c) Isomers</li> <li>d) Intermolecular Forces</li> <li>e) Naming</li> </ul>	<ol style="list-style-type: none"> <li>1. Discussion 2- due monday at midnight</li> <li>2. Online HW CH 2: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a>- due monday at midnight</li> <li>3. Lab 3 and Lab 4- due tuesday at midnight</li> </ol>	<ul style="list-style-type: none"> <li>• Lecture 1: <a href="http://echo.parker.edu/ess/echo/presentation/563b6c98-8fda-4960-92e8-6e1e42e15095/media.m4v">http://echo.parker.edu/ess/echo/presentation/563b6c98-8fda-4960-92e8-6e1e42e15095/media.m4v</a></li> <li>• Sapling Resonance help: <a href="http://echo.parker.edu/ess/echo/presentation/14bc9576-a62e-489b-91ca-4490bf7d5d88/media.m4v">http://echo.parker.edu/ess/echo/presentation/14bc9576-a62e-489b-91ca-4490bf7d5d88/media.m4v</a></li> <li>• Lecture 2: <a href="http://echo.parker.edu/ess/echo/presentation/ad18c95e-6f1e-404a-b893-a80e56bb0c79/media.m4v">http://echo.parker.edu/ess/echo/presentation/ad18c95e-6f1e-404a-b893-a80e56bb0c79/media.m4v</a></li> <li>• Lecture 3: <a href="http://echo.parker.edu/ess/echo/presentation/907059e">http://echo.parker.edu/ess/echo/presentation/907059e</a></li> </ul>

			<a href="https://echo.parker.edu/ess/echo/presentation/cea1b142-9448-4d02-909e-32eeb72bef1f/media.m4v">4-461a-41dc-90f3-ed57c5a12d84/media.m4v</a>
3	<b>Objectives Chapters 3 &amp; 4 Wade</b> a) Conformations b) Cyclics c) Cis/Trans d) Cyclohexane ring flips e) Radical reactions f) Thermodynamics	1. Discussion 3 due Monday at midnight  2. Online HW CH 3: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> due Monday at midnight  3. Lab 5 and Midterm due Tuesday at midnight	1. Lecture 1: <a href="http://echo.parker.edu/ess/echo/presentation/cea1b142-9448-4d02-909e-32eeb72bef1f/media.m4v">http://echo.parker.edu/ess/echo/presentation/cea1b142-9448-4d02-909e-32eeb72bef1f/media.m4v</a>  2. Lecture 2: <a href="http://echo.parker.edu/ess/echo/presentation/61531449-4875-451a-9d01-8aaea797847d/media.m4v">http://echo.parker.edu/ess/echo/presentation/61531449-4875-451a-9d01-8aaea797847d/media.m4v</a> (sounds starts about 30 min in)  3. Lecture 3: <a href="http://echo.parker.edu/ess/echo/presentation/a4339772-c9dc-45ef-ba8f-3a6c37a83a61/media.m4v">http://echo.parker.edu/ess/echo/presentation/a4339772-c9dc-45ef-ba8f-3a6c37a83a61/media.m4v</a>  4. Lecture 4: <a href="http://echo.parker.edu/ess/echo/presentation/0aba0524-8577-47cd-9051-a61f08fe335c/media.m4v">http://echo.parker.edu/ess/echo/presentation/0aba0524-8577-47cd-9051-a61f08fe335c/media.m4v</a> (starts about 27 min in)
4	<b>Objectives Chapters 4 &amp; 5 Wade</b> a) Kinetics b) Energy Diagrams c) Hammonds Posulate d) Reactive Intermediates e) Chirality f) Enantiomers g) R,S configurations	1. Discussion 4 due Monday  2. Online HW CH 4: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> Due Monday at midnight  3. Lab 6 and Lab 7 due Tuesday at midnight	<ul style="list-style-type: none"> <li>• Lecture 1:  <a href="http://echo.parker.edu/ess/echo/presentation/f69b7c40-6026-40d8-b427-5504e1bd478f/media.m4v">http://echo.parker.edu/ess/echo/presentation/f69b7c40-6026-40d8-b427-5504e1bd478f/media.m4v</a></li> <li>• Lecture 2:  <a href="http://echo.parker.edu/ess/echo/presentation/e6c26017-3f86-4b6e-89e7-758356398f73/media.m4v">http://echo.parker.edu/ess/echo/presentation/e6c26017-3f86-4b6e-89e7-758356398f73/media.m4v</a>            (starts at 48 min in)</li> <li>• Lecture 3:  <a href="http://echo.parker.edu/ess/echo/presentation/8ceee4a1-de5b-41b6-9146-df4b32565897/media.m4v">http://echo.parker.edu/ess/echo/presentation/8ceee4a1-de5b-41b6-9146-df4b32565897/media.m4v</a></li> </ul>
5	<b>Objectives Chapters 5 &amp; 6 Wade</b> a) Diastereomers b) Meso c) Sn1 d) Sn2 e) E1 f) E2	1. Discussion week 5 due Monday at midnight  2. Online HW 5&6: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> due Monday at midnight  3. Lab 8 and Lab 9 Due Tuesday at midnight	<ul style="list-style-type: none"> <li>• Lecture 1:  <a href="http://echo.parker.edu/ess/echo/presentation/594471ab-2d0c-4833-9829-bf9863b0fe7d/media.m4v">http://echo.parker.edu/ess/echo/presentation/594471ab-2d0c-4833-9829-bf9863b0fe7d/media.m4v</a></li> <li>• Lecture 2:  <a href="http://echo.parker.edu/ess/echo/presentation/d7fbb2bf-f834-4799-9118-ad77cf59c938/media.m4v">http://echo.parker.edu/ess/echo/presentation/d7fbb2bf-f834-4799-9118-ad77cf59c938/media.m4v</a></li> <li>• Lecture 3:</li> </ul>

			<a href="http://echo.parker.edu/ess/echo/presentation/b937331f-5d99-4f42-905b-37504ac236e4/media.m4v">http://echo.parker.edu/ess/echo/presentation/b937331f-5d99-4f42-905b-37504ac236e4/media.m4v</a>
6	<b>Objectives Chapters 7 &amp; 8 Wade</b> a) Degrees Unsaturation b) IUPAC c) Alkene Stability d) E1 e) E2 f) Reactions of Alkenes	1. Discussion 6 due Monday at midnight  2. Online HW 5&6: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> due Monday at midnight  3. Lab 10 and Lab Final Due Tuesday at midnight	<ul style="list-style-type: none"> <li>Lecture 1: <a href="http://echo.parker.edu/ess/echo/presentation/d82ca866-21b1-46ce-a10a-7d09a15f202a/media.m4v">http://echo.parker.edu/ess/echo/presentation/d82ca866-21b1-46ce-a10a-7d09a15f202a/media.m4v</a></li> <li>Lecture 2: <a href="http://echo.parker.edu/ess/echo/presentation/d29e677e-d467-43e2-8d50-94b7ea7b4131/media.m4v">http://echo.parker.edu/ess/echo/presentation/d29e677e-d467-43e2-8d50-94b7ea7b4131/media.m4v</a></li> <li>Lecture 3: <a href="http://echo.parker.edu/ess/echo/presentation/3a4889cc-b57e-40af-85f0-0303b1583f4f/media.m4v">http://echo.parker.edu/ess/echo/presentation/3a4889cc-b57e-40af-85f0-0303b1583f4f/media.m4v</a></li> </ul>
7	<b>Objectives Chapters 8 &amp; 9 Wade</b> a) Reactions of Alkenes b) Reactions of Alkynes	1. Online HW 7,8 <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> Due Tuesday by Midnight and HW 9: <a href="http://www.saplinglearning.com">www.saplinglearning.com</a> due by Wed at midnight	<ul style="list-style-type: none"> <li>Lecture 1: <a href="http://echo.parker.edu/ess/echo/presentation/552a31b0-7173-4ac3-a1e2-97478ad2a299/media.m4v">http://echo.parker.edu/ess/echo/presentation/552a31b0-7173-4ac3-a1e2-97478ad2a299/media.m4v</a></li> <li>Lecture 2: <a href="http://echo.parker.edu/ess/echo/presentation/666263e2-d92e-4b7f-b2cf-3e77493f81e6/media.m4v">http://echo.parker.edu/ess/echo/presentation/666263e2-d92e-4b7f-b2cf-3e77493f81e6/media.m4v</a></li> </ul>