

Course Outline

<u>Lecture Topic</u>	<u>Date</u>	<u>Chapter-Section</u>	<u>Assignments</u>
Electron Counting	Aug 28	Chap 1 & 10	
Iso- Analogies	Aug 30	Chap 1 & 10	
Carbonyls	Aug 31	Chap 3	
Carbonyls	Sept 1	Chap 3	
Symmetry Elements	Sept 4	IC 4.1	
Point Groups	Sept 6	IC 4.2	
Extra Hour	Sept 7		LD 1
Extra Hour	Sept 8		PS 1
Representations & Tables	Sept 11	IC 4.3	
Representations & Tables	Sept 13	IC 4.3	
Character Tables	Sept 14	IC 4.3	
Vibrations	Sept 15	IC 4.4	
Vibrations	Sept 18	IC 4.4	
Extra Hour	Sept 20		PS 2
EXAM I	Sept 21		
Group Theory and MO	Sept 22	IC 5.1-5.2	
Group Theory and MO	Sept 25	IC 5.3	
Group Theory and MO	Sept 27	IC 5.4	
π -Ligand Bonding	Sept 28	Chap 7-9	
π -Ligand Bonding	Sept 29	Chap 7-9	
π -Ligand Reactions	Oct 2	Chap 7-9	
π -Ligand Characterization	Oct 4	Chap 7-9	
Extra Hour	Oct 5		PS 3
Other Ligands	Oct 6	Chap 6	
Other Ligands	Oct 11	Chap 2	
Hydrides	Oct 12	Chap 5	
Extra Hour	Oct 13		LD 2
Hydrides	Oct 16	Chap 5	
Extra Hour	Oct 18		PS 4
EXAM II	Oct 19		
Phosphines	Oct 20	Chap 4	
Multinuclear NMR	Oct 23	NMR Chapter	
Mechanisms at the Metal	Oct 25	Chap 11	
Mechanisms at the Metal	Oct 26	Chap 11	
Mechanisms at the Metal	Oct 27	Chap 13	
Oxidative Addition	Oct 30	Chap 12	
Reductive Elimination	Nov 1	Chap 12	
Extra Hour	Nov 2		PS 5
Mechanisms at the Ligands	Nov 3	Chap 11	
Mechanisms at the Ligands	Nov 6	Chap 11	
Mechanisms at the Ligands	Nov 8	Chap 11	
Mechanisms at the Ligands	Nov 9	Chap 11	
Mechanisms at the Ligands	Nov 10	Chap 11	
Extra Hour	Nov 13		LD 3
Extra Hour	Nov 15		PS 6
Exam III	Nov 16		
Catalysis	Nov 17	Chap 14	
Catalysis	Nov 20	Chap 15-18	
Extra Hour	Nov 27		LD 4
Catalysis	Nov 29	Chap 15-18	
Extra Hour	Nov 30		PS 7
Carbenes	Dec 1	Chap 19-21	
Carbenes	Dec 4	Chap 19-21	
Carbenes	Dec 6	Chap 19-21	Hoover visit
Extra Hour	Dec 7		PS 8
Carbenes	Dec 8	Chap 19-21	
EXAM IV	During scheduled final time		