

Lecture only on Friday & Saturday.

Lesson Plan Format
18 weeks (From January 2018 to April 2018)

Name of Assistant / Associate Professor : Dr. Ritu
Class and Section : B.Sc-I 2nd semester
Subject : Organic chemistry

Week 1 (January 1-6)	
Chapter 1	
01/01/2018	
02/01/2018	
03/01/2018	
04/01/2018	
Holiday	05/01/2018 → Nomenclature of alkenes, Mechanism of dehydration of alcohols and dehydrohalogenation of alkyl halides
06/01/2018	The Saytzeff Rule, Hofmann elimination, Physical properties & Relative stability of alkenes
Week 2 (January 8-13)	
Chapter	
08/01/2018	
09/01/2018	
10/01/2018	
11/01/2018	
12/01/2018	Chemical reactions of alkenes - mechanism involved in hydrogenation, electrophilic and free radical
13/01/2018	Marksownikoff's Rule, hydroboration oxidation, oxymercuration-reduction
Week 3 (January 15-20)	
Chapter	
15/01/2018	ozonolysis, hydration, hydroxylation & oxidation with KMnO ₄
16/01/2018	
17/01/2018	
18/01/2018	
19/01/2018	
19/01/2018	Nomenclature of Benzene derivatives: Aromatic nucleus & side chain
20/01/2018	Aromaticity: The Huckel Rule, aromatic ions
Week 4 (January 22-27)	
Chapter	
22/01/2018	
23/01/2018	
24/01/2018	
25/01/2018	
26/01/2018	→ Holiday - Republic day

Boys

✓ 27/01/2018	→ annulenes upto 10 carbon atoms
Week 5 (January 29- Feb 3)	
Chapter	
29/01/2018	
30/01/2018	
31/01/2018	
01/02/2018	
✓ 02/02/2018	aromatic, anti-aromatic and non-aromatic compounds
✓ 03/02/2018	Aromatic electrophilic substitution - general pattern
Week 6 (Feb 5-10) of the mechanism	
Chapter	
05/02/2018	
06/02/2018	
07/02/2018	
08/02/2018	
✓ 09/02/2018	mechanism of nitration, halogenation, sulfonation & electrophilic Friedel-Crafts Reaction
✓ 10/02/2018	→ Mahanishi Day and Saraswati Jayanti Holiday
Week 7 (Feb 12-17)	
Chapter	
12/02/2017	
13/02/2017	
14/02/2017	
15/02/2017	
✓ 16/02/2017	Energy Profile diagram & Activating, deactivating substituents & orientation
✓ 17/02/2017	Nomenclature & classification of dienes: isolated, conjugated and cumulated dienes
Week 8 (Feb 19-24)	
Chapter	
19/02/2018	
20/02/2018	
21/02/2018	
22/02/2018	
✓ 23/02/2018	structure of Butadiene
✓ 24/02/2018	Chemical Reaction of 1,2 and 1,4 addition (Electrophilic & free radical mechanism)
Week 9 (Feb 26-March 03)	
Chapter	
26/02/2018	
27/02/2018	
28/02/2018	
01/03/2018	

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02/03/2018	} Holiday
03/03/2018	
Week 10(March 5-10)	
Chapter	
05/03/2018	
06/03/2018	
07/03/2018	
08/03/2018	
✓ 09/03/2018	diels alder Reaction
✓ 10/03/2018	
Week 11(March 12-17)	
Chapter	
12/03/2018	
13/03/2018	
14/03/2018	
15/03/2018	
✓ 16/03/2018	Nomenclature, structure & Bonding in alkynes
✓ 17/03/2018	method of formation and chemical reactions of alkynes
Week 12(March 19-24)	
Chapter	
19/03/2018	
20/03/2018	
21/03/2018	
22/03/2018	
✓ 23/03/2018	→ Holiday - shahidi Ginas
✓ 24/03/2018	→ acidity of alkynes, mechanism of electrophilic and nucleophilic addition reactions
Week 13(March 26-31)	
Chapter	
26/03/2018	
27/03/2018	
28/03/2018	
29/03/2018	
✓ 30/03/2018	hydroboration oxidation of alkynes
✓ 31/03/2018	nomenclature & classes of alkyl halides, method of formation
Week 14(April 02-07) Chemical Reactions	
Chapter	
02/04/2018	
03/04/2018	
04/04/2018	

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05/04/2018	
06/04/2018	Mechanism and stereochemistry of Nucleophilic substitution of alkyl halides
07/04/2018	S_N2 and S_N1 reactions into energy profile diagram
Week 15 (April 09-14)	
Chapter	
09/04/2018	
10/04/2018	
11/04/2018	
12/04/2018	
13/04/2018	→ Raksha - Holiday
14/04/2018	→ Bim Raa Ambedkar Jayanti - Holiday
Week 16 (April 16-21)	
Chapter	
16/04/2018	
17/04/2018	
18/04/2018	
19/04/2018	
20/04/2018	Methods of formation and reactions of alkyl halides
21/04/2018	the addition-elimination and the elimination-addition mechanism
Week 17 (April 23-28)	
Chapter	
23/04/2018	Nucleophilic aromatic substitution reaction
24/04/2018	
25/04/2018	
26/04/2018	
27/04/2018	Relative reactivities of alkyl halides vs. allyl vinyl and haloalkene
28/04/2018	Relative reactivities of alkyl halides vs. vinyl and aryl halides
Week 18 (April 29-30)	
Chapter	
30/04/2018	

Says