|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.No. | **Title of course with code** | **Topic** | **Sub topic/ Key Words** | **Link** |
| 3 | Organic Chemistry( CH- 353) | Reactions of unsaturated hydrocarbons & carbon-oxygen double bond | Basic points, Nature of alkene , Reaction of alkene with Hydrogen Halide (Hydrohalogenation). | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjEyMzQ2MDQ0NjAw/details> |
|  |  |  | Antimarkownioff's Rule | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MTU3NjI3MzQ4ODA5/details> |
|  |  |  | Addition of halogens to Alkene ( Halogenation Reaction) & their Mechanism | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjAxMDIzODg5NDE2/details> |
|  |  |  | Addition of hypohalous acid to a alkene or Halohydrine formation | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjE4MTU1NjQ5MzI2/details> |
|  |  |  | Introduction of Hydroxylation or Formation of 1,2 Diol, Reaction & Mechanism for Cis- Hydroxylation, Osmium Tetraoxide (OSO4) | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjIxMzI5ODU5NDEz/details> |
|  |  |  | Cis- Hydroxylation by using pottasium permagnate (Kmno4) reagent , Trans- Hydroxylation | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjA1MjQ4NDgzNzg1/details> |
|  |  |  | Hydroboration- oxidation | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjIyOTI3MDk4MTky/details> |
|  |  |  | Hydrogenation | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjIyOTM2Njc4ODE4/details> |
|  |  |  | Ozonolysis. | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjA2Njk4MjIxMzQw/details> |
|  |  |  | Halogenation) Addition of halogen to a alkynes. | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjI5NTkzMTI1MTEw/details> |
|  |  |  | (Hydrohalogenation) Addition of hydrogen & halogen in a alkyne. | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjI5NTk2NDI0ODIy/details> |
|  |  |  | (Hydrogenation), Addition of hydrogen to a Alkyne , Lindlar catlayst & Na/K in liq. NH3 | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxMTIyNTY0OTI5/details> |
|  |  |  | Hydration ( Addition of water into a alkyne) | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxMTI2MjY2NTA2/details> |
|  |  |  | Addition of hydrogen cynide (HCN) to a aldehydes or ketone or (formation of cynohydrin) | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxMTIzODEzODMw/details> |
|  |  |  | Addition of alcohol to a aldehydes or ketone or formation of acetal & cyclic acetal or ketal | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxMTMxNDA4ODY3/details> |
|  |  |  | Addition of alcohol to a aldehydes or ketone or formation of acetal & cyclic acetal or ketal | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxMTMxNDA4ODY3/details> |
|  |  |  | Addition of Thiol to a aldehydes or ketones (Formation of thioacetal) | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxNjg3MDA0NjIw/details> |
|  |  |  | Hydration ( Addition of water) to a aldehyde & ketones. Formation of geminal- diol | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxNjg1NDM4NzYz/details> |
|  |  |  | Addition of ammonia derivatives ( Hydroxyl amine , Phenyl hydrazine, 2,4 - DNP & Semicarbazide ) into a aldehydes or ketones. | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxNjkyMTQ4Mjgy/details> |
|  |  |  | Cannizzaro Reaction | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjMxNjk0NzA5MDYx/details> |
|  |  |  | Reformatsky Reaction. | <https://classroom.google.com/c/MTM5MzI4OTYwMTM2/m/MjM1Nzg1OTEwMzcz/details> |