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| **Date and Web Notes on Chem 261 website**  | **Outlines & Handouts** | **Videos**  | **Content** |
| Sep 2, 2020 | Web pages | [1](https://www.youtube.com/watch?v=f-TS6NCTkMA) [2](https://www.youtube.com/watch?v=pKpXWQ6hUMo) [3](https://www.youtube.com/watch?v=leM2nwN1iPs) | Intro, Organization, Concepts |
| Sep 4, 2020 | Lect Outline 1 | [4](https://www.youtube.com/watch?v=HELEaVFO_UY) [5](https://www.youtube.com/watch?v=UFBHoTdhET0) [6](https://www.youtube.com/watch?v=zgXA0UJr2Ew) | Quant Analysis, Gas Law, orbitals |
| Sep 7, 2020 | **Labour Day** |  |  |
| Sep 9, 2020 | Handouts 1 2 3 | [7](https://www.youtube.com/watch?v=fWF8932c7a4&t=47s) [8](https://www.youtube.com/watch?v=xQVxG5oCjtc) [9](https://www.youtube.com/watch?v=FH0pThJBBNE)  | Covalent bonds, Hybridization, sp3, sp2, sp Size, shape, drawing,  |
| Sep 11, 2020 |  | [10](https://www.youtube.com/watch?v=-bHdNflGCK4) [11](https://www.youtube.com/watch?v=JfGkPnYztJU) [12](https://www.youtube.com/watch?v=FdJ5L55abhg&t=17s) | Formal Chg , Resonance, Intermolecular forces |
| Sep 14, 2020 |  | [13](https://www.youtube.com/watch?v=_hsO1E7QiWc) | Rxn thermodynamics, H S |
| Sep 16, 2020 |  | [14](https://www.youtube.com/watch?v=4MDGm92M1jE&t=5s) [15](https://www.youtube.com/watch?v=hKs5TBFKxN4) | Acids and bases |
| Sep 18, 2020 |  | [16](https://www.youtube.com/watch?v=gG5ncJT_I1M) | Electromagnetic Spectrum, IR |
| Sep 21, 2020 | Lect Outline 2 | [17](https://www.youtube.com/watch?v=ZtaNmHC43vg) [18](https://www.youtube.com/watch?v=vJX06QzLpRw) | Alkanes Nomenclature, Structure |
| Sep 23, 2020 |  | [19](https://www.youtube.com/watch?v=qWCYyxE4R0o) | Isomers: Structural & Stereo |
| Sep 25, 2020 |  | [20](https://www.youtube.com/watch?v=1TT2GbtHH7s) | Hydrocarbon Physical Properties |
| Sep 28, 2020 |  | [21](https://www.youtube.com/watch?v=JKQapeXEd9Q) [22](https://www.youtube.com/watch?v=xJSw3QKsCQQ) | Conformations & Cycloalkanes |
| Sep 30, 2020 |  | [23](https://www.youtube.com/watch?v=WzSimjpECso) [24](https://www.youtube.com/watch?v=ytHbTiLVC1I&t=320s) | Substituted Cyclohexane, bridges |
| Oct 2, 2020 |  | [25](https://www.youtube.com/watch?v=gMS9bgONwxs&t=120s) [26](https://www.youtube.com/watch?v=BhbkJijXn_4) [26.5](https://www.youtube.com/watch?v=eoi_Exy4i40) | Alkane Rxns: Halogenation |
| Oct 5, 2020 |  | [27](https://www.youtube.com/watch?v=u7tvxVyzEW4) | Alkyl Halide Names, Phys Prop |
| Oct 7, 2020 | Lect Outline 3 | [28](https://www.youtube.com/watch?v=63zrQs5gNoI) [29](https://www.youtube.com/watch?v=IDXsPGeM88U) | Stereochemistry & Chirality |
| Oct 9, 2020 |  | [30](https://www.youtube.com/watch?v=HdguIZ_uLLA) [31](https://www.youtube.com/watch?v=8wRZHvrcD28) | Diastereomers & Enantiomers RS |
| Oct 12, 2020 | **Thanksgiving** |  |  |
| Oct 14, 2020 |  | [32](https://www.youtube.com/watch?v=J8wVpcf2yGw&t=5s) [33](https://www.youtube.com/watch?v=CAcrdlfRpS4&t=25s) [34](https://www.youtube.com/watch?v=cftqV8eU5xo) | Chiral molecules, Optical rotation |
| Oct 16, 2020 | Handout 4 | [35](https://www.youtube.com/watch?v=FrGnEMQbX-s&t=7s) [36](https://www.youtube.com/watch?v=wkM4xneiwC0&t=30s) | Ionic Substitution Sn2 & Sn1 |
| Oct 19, 2020 |  | [37](https://www.youtube.com/watch?v=cFsyzTsnCrs) [38](https://www.youtube.com/watch?v=tGNPY64sGN0&t=29s) | Rxn Overview, Sn2 vs Sn1 |
| Oct 21, 2020 | Lect Outline 4 | [39](https://www.youtube.com/watch?v=sB7qR0nRETc) [40](https://www.youtube.com/watch?v=WAcYOOSxBL8) [41](https://www.youtube.com/watch?v=pQnan53_I6M) | Alkene Alkyne Nomenclat., E & Z |
| Oct 23, 2020 | **Midterm Exam** |  |  |
| Oct 26, 2020 |  | [42](https://www.youtube.com/watch?v=TgzYoMLB-nQ) | Addn Rxns, Addn H2 , Fats |
| Oct 28, 2020 |  | [43](https://www.youtube.com/watch?v=qf4InyqC83M) [44](https://www.youtube.com/watch?v=p0mr5cCYHpE) | Addn X2 halogen & with H2O, ROH |
| Oct 30, 2020 |  | [45](https://www.youtube.com/watch?v=jK-U7mJhC6s) | Addn HX, HOH, HOR Markovnikov |
| Nov 2, 2020 |  | [46](https://www.youtube.com/watch?v=hvL45aFMUOc&t=7s)  | Hydroboration H2O Opposite Add |
| Nov 4, 2020 |  | [47](https://www.youtube.com/watch?v=Tq7u_M96m60&t=164s) 48 [49](https://www.youtube.com/watch?v=Tl-fgjYLDyk) | Oxdn O3 , epoxides, KMnO4 OsO4 |
| Nov 6, 2020 |  | [50](https://www.youtube.com/watch?v=RF2HNH062MA) [51](https://www.youtube.com/watch?v=0-P6762lAbI) [52](https://www.youtube.com/watch?v=O5CYfc_CyKE) | Addn Alkynes, tautomers, oxidn |
| Nov 9, 2020 | **Fall Break** |  |  |
| Nov 11, 2020 | **Remembrance** |  |  |
| Nov 13, 2020 | **Fall Break** |  |  |
| Nov 16, 2020 |  | [53](https://www.youtube.com/watch?v=uwl1uCXqJC4)  [54](https://www.youtube.com/watch?v=p-d_W3T06rs) | Acetylide Sn2, Elimination E2 Zn |
| Nov 18, 2020 |  | [55](https://www.youtube.com/watch?v=FUzDrGeOuwE) | HX Elimination & Limits, Bredt |
| Nov 20, 2020 |  | [56](https://www.youtube.com/watch?v=hc_JLAXBAh4) | HOR Elimination E1 vs E2 |
| Nov 23, 2020 |  | [57](https://www.youtube.com/watch?v=tyn-j3XxIMI) [58](https://www.youtube.com/watch?v=af25nxpscCI) | HBr Radical Addn, Polymers |
| Nov 25, 2020 |  | [59](https://www.youtube.com/watch?v=xGs0LfCfWus) [60](https://www.youtube.com/watch?v=vHKOHUZDsXA) | Conjugated Systems, UV |
| Nov 27, 2020 |  | [61](https://www.youtube.com/watch?v=54wv_Ga31zs) | Conjugated Addition, Rubber |
| Nov 30, 2020 | Lect Outline 5 | [62](https://www.youtube.com/watch?v=M9DJAqaT9Mc) [63](https://www.youtube.com/watch?v=xm6CG4A3wbE) | Alcohol Names, Properties, Steroid |
| Dec 2, 2020 |  | [64](https://www.youtube.com/watch?v=p1E7GlnLXvs) | Acidity of Alcohols |
| Dec 4, 2020 |  | [65](https://www.youtube.com/watch?v=Zvi0S5ffJ8Y) | Ethers, Alcohol Rxns and Prep  |
| Dec 7, 2020 | Handout 5 | 66 67 | Sugars, Acetals, Polysaccharides |