Named Reactions (Topics) taken from the Master Reading List that we covered in the syntheses presented in Chem 8321/4321 in Fall 2023

Meisenheimer rearrangement
Mizoroki-Heck reaction
Schotten-Baumann reaction
Norrish reaction (Type II)
Saegusa-Ito oxidation
[2.3]-Wittig rearrangement
Mislow-Evans Rearrangement
Overman rearrangement
Barton-McCombie deoxygenation reduction
Birch reduction
Diploar (Huisgen) cycloadditions
Nagata hydrocyanation
Weinreb ketone synthesis
Diels-Alder cycloaddition
Alkene (olefin) metathesis
Riley selenium dioxide oxidation
(Schreiber) ozonolysis
Baldwin's rules
Finkelstein reaction
Johnson-Claisen rearrangement
Wittig Reaction
Stevens rearrangement
Wolff-Kishner reduction
Brown hydroboration reaction
Evans asymmetric aldol reaction
Horner Wadsworth Emmons reaction
Yamaguchi esterification/lactonization
Claisen rearrangement
Jones oxidation
Michael addition reaction
Wharton fragmentation
Corey-Bakshi-Shibata reduction
Sharpless asymmetric dihydroxylation
Claisen condensation
Swern oxidation
Williamson Ether Synthesis
Curtius Rearrangement
Diels-Alder cycloaddition reaction

other important and often-encountered reactions that we haven't gotten to in past years, (but that I am happy to see that we did this year – see strikethroughs)

~~[3,2] sigmatropic rearrangements (e.g., Mislow-Evans rearrangement);~~

chelation controlled additions;

~~Grieco elimination;~~

~~Birch reduction;~~

~~Curtius rearrangement;~~

Paal-Knorr pyrrole/furan syntheses;

Tsuji-Trost reaction;

Bamford-Stevens/Shapiro reactions;

~~Riley (SeO_2) oxidation;~~

~~Wolff-Kishner reduction;~~

Pictet-Spengler/Bischler-Napieralski reactions;

Rubottom oxidation;

~~Saegusa oxidation;~~

Corey-Chaykovsky epoxidation and cyclopropanation