

Reading (I will add to this throughout the quarter)

Generalized discussion of Curtin-Hammett principle:

Zefirov, N. S. *Tetrahedron*, **1977**, 33, 2719-2722

Chapters 1-8 (Clayden et. al)

review

pp. 328-332 (Clayden et. al)

kinetics/thermodynamics

chapter 16 (Clayden et. al)

stereochemistry

chapter 34 (Clayden et. al)

diastereoselectivity – includes Felkin-Anh; chelation control; Houk model for addition to alkenes; terms (prochiral; diastereotopic, enantiotopic, homotopic; r_e/s_i -face additions)

pp 9-13 of Bruckner

Bell-Evans-Polanyi; Hammond; reactivity-selectivity

chapter 8 of Bruckner

nucleophilic addition to carbonyl

pp 317-320 of Bruckner

Curtin-Hammett

pp 320-322 of Bruckner

Felkin-Anh/Cram chelate model