Instructor: Jakub Hyvl; Bilger Addition 404; hyvl@hawaii.edu; (808) 956-7665
Office Hours by appointment

Time: Tuesday & Thursday 2:00-3:15 pm
Room: Bilger 341C


Topics: Intro to Structure and Models of Bonding (Chapter 1)
Strain and Stability (Chapter 2)
Acid-Base Chemistry (Chapter 5)
Stereochemistry (Chapter 6)
Energy Surfaces and Kinetic Analysis (Chapter 7)
Experiments Related to Thermodynamics and Kinetics (Chapter 8)
Catalysis (Chapter 9)
Organic Reaction Mechanism (Addition/Elimination) (Chapter 10)
Organic Reaction Mechanism (Substitution at Aliphatic Centers/Thermal Isomerization/Rearrangements) (Chapter 11)
Organotransition Metal Reactions (Chapter 12)
Thermal Pericyclic Reactions (Chapter 15)
Photochemistry (time-permitting) (Chapter 16)


Exams: There will be no make-up exams. 3 midterm exams (60%, 300 points, 20% each); HW and assignments (20%, 10-20 points each, 100 points total); comprehensive final exam (20%, 100 points).

Total 500 points.