

**Intensive Organic Chemistry for Freshmen C3046  
Spring 2001**

**Reading Summary - Exam 2**

**Exam 2 will cover material upto Friday, April 13<sup>th</sup>, 2001.**

Aldehydes & Ketones            Ch 17

Enols & Enolates                Ch 18

Carboxylic Acids                Ch 19

Carboxylic Acid Derivatives Ch 20 (did not cover in class ⇒ read!)

Ester Enolates                  Ch 21

Biochemistry topics

Alcohol Dehydrogenase-NADH reduction of ketones  
Carey 681-682, 600-602

Aldolases  
Carey 1002-1003, handout from Sorrell

Claisen Condensation & Retroclaisen - Biochemistry

Fatty Acid Biosynthesis  
Polyketide Metabolite  
Biosynthesis  
(erythromycin antibiotic)        }        Claisen (forward reaction)