

# CHM 4229: Organic Reactions & Synthesis

Survey of organic reactions with emphasis on modern synthetic methods and their applications to the synthesis of complex organic compounds. Enolates, carbonyl condensation reactions, functional group interconversions, electrophilic addition reactions, reductions, organometallic reagents, concerted reactions, oxidations. Synthetic strategies including retrosynthetic analysis in the context of specific examples of multi-step synthesis from recent literature.

**Credits:** 3

**Prerequisites:**

CHM 3212 or CHM 2212

**Program:** [Chemistry](#)