

# CHM 4224: Spec Top:Medicinal Chemistry

History and fundamentals of modern Medicinal Chemistry and drug discovery. Drug targets, drug-target relationships: (agonists/antagonists, inhibitors/activators, modulators), structure activity relationships, on-versus off-target relationships, physicochemical properties, pharmacokinetics, bioisosteres, structure- and property-based design. A previous Biochemistry class is suggested but not required.

**Credits:** 3.0

**Prerequisites:**

CHM 2212 or CHM 3212

**Program:** [Department Chemistry and Biochemistry](#)