SPRING 2017 Special Topics Course: Medicinal Chemistry – Drug Synthesis

Topics will include retrosynthetic strategies, functional group manipulation, chirality, solid-phase synthesis/combichem, isotope labeling, chemical/process development (drug scale-up).

Instructor: Mikell Paige, PhD
Registration Dates: Nov 01, 2016 to Jan 30, 2017
Meeting Times: Mondays 4:30 – 7:10 pm (Jan 23 – May 17, 2017)
Course Number: CHEM 579–002
CRN: 21525
Credits: 3.0

Course Objective: To introduce strategies in drug discovery from the perspective of synthetic organic chemistry.

Textbook and Literature: An Introduction to Drug Synthesis, by Graham L. Patrick. We will also use literature from the Journal of Medicinal Chemistry and Organic Process Research & Development, which are available to all GMU students online.