# Medc 711: Intro to Computer-Aided Drug Design

## Biomolecular Sciences

Modern molecular modeling methods and techniques pertinent to molecular design and the simulation of molecular properties and interactions. Examples include modeling of small molecules at the level of mechanics calculations up to ab initio calculations; homology modeling of proteins and related validation methods; docking interactions of ligands and receptors.

3 Credits

## Instruction Type(s)

- Lecture/Lab: Lecture/Lab for Medc 711

## Subject Areas

- Medicinal and Pharmaceutical Chemistry

## Related Areas

- Clinical and Industrial Drug Development (MS, PhD)
- Industrial and Physical Pharmacy and Cosmetic Sciences (MS, PhD)
- Natural Products Chemistry and Pharmacognosy (MS, PhD)
- Pharmaceutical Marketing and Management
- Pharmaceutical Sciences
- Pharmaceutics and Drug Design (MS, PhD)
- Pharmacoeconomics/Pharmaceutical Economics (MS, PhD)
- Pharmacy (PharmD - USA - PharmD, BS/BPharm - Canada)
- Pharmacy Administration and Pharmacy Policy and Regulatory Affairs (MS, PhD)
- Pharmacy, Pharmaceutical Sciences, and Administration, Other