

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

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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for guestions about the accreditation.

