

BME 510: Drug and Gene Delivery Biomedical Engineering

Fundamentals of drug delivery, including routes of delivery, physiologic drug delivery barriers, and pharmacokinetics/pharmacodynamics. Focus on new biomaterials underdevelopment for enabling controlled release, tissue targeting, improved bioactivity of different classes of compounds, and delivery of different classes of nucleic acid based therapeutics.

3 Credits

Prerequisites

- Bisc 162: Biological Sciences II
- <u>Chem 106: General Chemistry II</u>

Instruction Type(s)

• Lecture: Lecture for BME 510

Subject Areas

Bioengineering and Biomedical Engineering

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 questions about the accreditation.

