

## **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](#)
- [Chem 106: General Chemistry II](#)
- Prerequisite: Junior standing (60 hr).

### **Instruction Type(s)**

- Lecture: Lecture for BME 510

### **Subject Areas**

- [Bioengineering and Biomedical Engineering](#)

