

- E. explain the differences and similarities of different classes of drugs
- F. know common definitions used in medicinal chemistry.

Skill Outcomes

- The student who successfully completes this course will be able to
- A. write reasonable mechanisms of action for drugs
 - B. write good explanations of drug design and drug action
 - C. draw dose-response curves for different types of interactions.
 - D. use the chemical literature and speak knowledgably about a researched topic.

Value Outcomes

- The student who successfully completes this course will
- A. gain an appreciation for the science involved in medicinal chemistry
 - B. appreciate the difficulty of getting drugs refined and approved

V. Unless otherwise stipulated in this master syllabus by the department, the following items are subject to faculty discretion as described in each faculty member's individual course outline/syllabus.

a) Course Requirements

Students are expected to attend all classes and complete all work. Students are expected to do the readings, email questions, and keep up with the material even if there are problems with technology in delivery. Students with special requirements or circumstances should contact the instructor or the Director of Disability Services in the Academic Affairs Office.

Grading is based on the averages of two or three exams, a research report, and a comprehensive final exam. Students taking this course for graduate credit will do two reports and submit a typed paper with each report.

b) Required Textbook and Materials

Silverman, The Organic Chemistry of Drug Design and Drug Action, Academic Press, 1992.

Department Head Signature / Date

_____ / ____ / ____
Signature month date year