Medicinal Chemistry
Prof. Bob Hanson
January 2020(40 hr)

Catalog Description

In this course students gain an appreciation for the drug development process, including how natural products are isolated and utilized as starting points for drug development, how molecular structure relates to biological activity, and how research into the mechanism of disease leads to the targeted development of drugs. Offered Interim alternate years.

Student Objectives and Means of Assessment for 2020

By objective:

330 66% Students will learn the basic science of medicinal chemistry and molecular pharmacology by reading and discussing *An Introduction to Medicinal Chemistry*, by Graham Patrick, and related readings:

class participation:	P, 15 x 2 pts = 30 pts (6%)
in-class quizzes	E, 2 x 50 pts = 100 pts (20%)
additional written work	W, 10 x 10 pts = 100 pts (20%)
midterm exam	E, 100 pts (20%)

70 14% Students will participate in group project (to be determined):

project participation	P, 4 x 5 pts = 20 pts (4%)
oral presentation	O, 50 pts (10%)

100 20% Final exam:

final exam	E, 100 pts (20%)

50	participation (P, 10%)
300	exams and quizzes (E, 60%)
100	additional written work (W, 20%)
50	oral presentation (O, 10%)
500	**(100%)**