

PHARMACEUTICAL BIOCHEMISTRY

Instructor

Edmond J. LaVoie, Rm 326

Textbook and Reference Materials:

Text:

Basic Medical Biochemistry- A Clinical Approach, Marks, Marks, and Smith, Williams & Wilkins, Baltimore, Maryland, 1996

Supplemental Texts:

Textbook of Biochemistry with Clinical Correlations, Fourth Edition, Thomas Devlin (Ed.), Wiley-Liss, New York, 1997.

Lippincott's Illustrated Reviews- Biochemistry, Pamela C. Champe and Richard A. Harvey, J.B. Lippincott Company, Philadelphia, PA, 1987

Lecture Outline Prior to Spring Break

Introduction to Peptides and Amino Acids

Fundamentals of Enzymology

Enzyme Catalysis, Enzyme Inhibition, Allosteric Control

Enzyme Interactions and Development of Clinical Agents

Co-Enzymes and the Design of Therapeutic Agents

Purine and Pyrimidine Synthesis- Clinical and Chemotherapeutic Implications

Grading

There will be two exams and an optional final over the course of the semester. The average of these exams will determine 80% of the grade. Homework assignments and in-class exercises will account for the remaining 20% of the grade. Upon permission of the instructors, students may have the opportunity to improve their grade by taking either a third cumulative exam or providing a detailed writing assignment. Letter grades will be assigned according to the scale:

90-100	A
85-89	B+
80-84	B
75-79	C+
70-74	C
60-69	D
< 60	F