

Biochemistry I, CHE 450
MW 1:00-2:10 PM (Section -30)

Instructor: Dr. Noel Sturm, NSM D-323

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Course Organization and Policies:

1. **Prerequisites:** (a) General Chemistry (1 year) **and** (b) Organic Chemistry w/ Laboratory (1 year or a 1 semester survey course w/ lab) **and** (c) Quantitative Analysis (may NOT be taken concurrently w/ Biochemistry 450).

2. **REQUIRED Text:** Lehninger: Principles of Biochemistry, 7th Edition; Authors: Nelson and Cox

We have pulled out of the Immediate Access Program so you will be responsible for getting your own text book either print or on-line version.

Please do this ASAP so that you can begin reading and preparing for the semester.

Some students have recommended: <https://www.chegg.com/>

You must purchase the Sapling Learning access with your text book!!!

Here is a link from the publisher, Macmillan, that provides ISBN information for the text book and Sapling Learning.

[Lehninger and Sapling](#)

3. **Lecture Notes and Power Point Slides:** The lecture notes are available and power point slides, will be available on lecture days, on-line, arranged via lecture topic, at: <http://www2.csudh.edu/nsturm/>. Examination questions will be derived directly from lecture notes, power point slides and Sapling learning homework.

4. **On-Line Sessions:** We will meet on-line every Monday and Wednesday from 1:00 PM until 2:10PM using Blackboard Collaborate Ultra. We will discuss lecture material, do *quick thinks* and answer questions. It is very important that you attend all of the on-line sessions in order to succeed in this course. You must have a working computer, reliable internet connectivity and browser is an important requirement, please use Firefox 2.0.x or higher.

Instructions for Blackboard Collaborate Ultra:

https://help.blackboard.com/Collaborate/Ultra/Moderator/Get_Started/About_Collaborate

In Blackboard:

<Tools

<Blackboard Collaborate Ultra

<Click-on the "Session"

<Click-on "Join Room"

5. **Examinations:** There will be four multiple choice examinations (see syllabus for specific dates) each worth 100 points. Absolutely **NO** make-up exams will be given. All examinations will be on-line through Bb Collaborate Ultra using the Respondus Lockdown Browser.

6. **Final Exam: NOW OPTIONAL.** The final exam (100 pts), will be on-line through Bb Collaborate Ultra using the Respondus Lockdown Browser and is scheduled for Monday, December 7th, 2020, 1:00PM-3:00PM.

7. Homework:

- Homework can be found in the "Assignments" link on Bb.
- There are eleven, on-line, multiple choice homework assignments.
- The homework assignments are based on the readings from Lehninger: Principles of Biochemistry.
- The homework is a Sapling Learning assignment so you must be enrolled in Sapling. (See Above)
- Each homework assignment has a specific due date and homework submitted after that date will not be graded. (See Syllabus)
- Each homework assignment is worth 15 points for a total of 165 points towards your final course grade.

8. **The Goal** of this course is to understand and outline Proteins, Enzymes, Vitamins, Membranes and all of the Carbohydrate Metabolic Pathways.

9. **Grading Criteria:** Letter grades are based on the following point distribution. Grades are criterion-referenced not norm-referenced; each student has an equal opportunity meet the criteria charted below:

Homework	165 pts
Exams	400 pts
Respondus Test	5 pts
Total	570 pts

Grade	Percentages	Grade	Percentages
A	100-91	A-	90-89
B+	88-87	B	86-81
B-	80-79	C+	78-77
C	76-71	C-	70-69
D+	68-67	D	66-60
F	59-0		

10. **Case Studies/Clinical Correlates:** Related directly to the general biochemical principles being taught are intended to give "real-life" significance to the *biochemistry* experience and should be printed from the web site.

11. **Course Description:** The chemistry of amino acids and proteins; the chemistry and metabolism of carbohydrates and lipids; energetics in living systems. The course is taught with a medical emphasis and covers peptides, proteins, myoglobin/hemoglobin, enzymes, vitamins, catecholamines and metabolism, as well as, clinical correlates and case studies.

12. **Academic Integrity Statement:** A university is a community of learners bonded together by the search for knowledge; the pursuit of personal, social, cultural, physical, and intellectual development; and the desire for the liberating effects of an advanced education. California State University, Dominguez Hills (CSUDH) has a culture--an academic culture--shared with other universities and colleges across the nation. Integral to that culture is a set of values such as academic freedom, dedication to teaching and learning, diversity, civility toward others, and academic integrity. Academic integrity is of central importance in the university community and involves committed allegiance to the values, the principles, and the code of behavior held to be central in that community. Integrity concerns honesty and

implies being truthful, fair, and free from lies, fraud and deceit.

13. Disabled Student Services: CSUDH adheres to the American with Disabilities Act with respect to providing reasonable accommodations for students with temporary or permanent disabilities. To receive accommodations, students with disabilities must register with Disabled Student Services. For more information, please contact their office in Welch Hall B250 at (310) 243-3660 or (310) 243-2028.

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