

# Biochemistry II (Chem 4420)

10:10-11:08, S108

Koni Stone

Office: 201 Science, 667-3570

## Office hours:

MWF: 11:15-12:15 T: 1:30-2:30

F: 1:30-2:30 (in PC lab)

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**Text:** Biochemistry by Lehninger, Nelson, and Cox

### ***Devices for Progress Evaluation*** (exams, etc.)

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<u>Device</u>	<u>Points</u>	<u>Dates*</u>
3 Midterm Exams	100 each	3/14/96, 4/18/96, 5/16/96
Final Exam	200	5/29/96 at 10:25am
Research report		<u>Due dates:</u>
1. Outline, and copies of 3 literature papers	25	3/3/96
2. First draft (aka rough draft)	25	3/17/96
3. Second draft	25	4/7/96
4. Third draft	25	5/5/96
5. Peer review	25	5/14/96
6. Final version	25	5/28/97
Homework and assignments	10 (each)	
Case studies	20 (each)	
Group Mechanism Project	25	5/19 and 5/21

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\*Schedule may change as needed

Note: Since this is a WP course, you must pass the writing assignments to pass the course. You **must** hand in all drafts and receive a total of at least 110 points for all of the drafts and peer review exercise combined. Due dates will be enforced. Late papers will be downgraded 10% per day after the due date.

### ***Grades***

Grade	Percentage of points
A	90 - 100
B	80 - 89.9
C	70 - 79.9
D	60 - 69.9
F	59.9 and below

### ***Reading Schedule\*:***

Week of:	Chapter	Week of:	Chapter
2/17	13	4/14	20
2/24	14	4/21	21
3/3	15	4/28	22
3/10	16	5/5	23
3/17	17	5/12	24
3/24	18	5/19	26 and 27
4/7	19		

**\*Other supplemental reading material may be assigned.**

**Exams** will cover all information presented in class and all material in the required readings, unless otherwise noted. The final exam will be comprehensive.

**Research report:** Research and review the current (1990-1996) literature on the biochemical topic of your choice. Reports should include at least five current references from the literature, be from 8-12 pages in length and they must be generated using a word processing computer program. Please use double spacing and select a font that has 10-12 characters per inch. Both MacIntosh and IBM machines are available for your use in the computer labs in the Library building. If you are in need of assistance, it is your responsibility to schedule a computer lesson with me.

The reports will be handed five times, following the schedule outlined above. The outline and first draft will be graded on content and thoroughness of your research. The second, third and fourth drafts will be graded on organization, writing style, punctuation and grammar. The final draft will be a masterpiece suitable for publication.

The objectives of this assignment are to strengthen your literature research and writing skills. This will also give you the opportunity to learn about a biochemical topic in depth. By handing the paper several times, I will be able to guide your research and writing in order to generate a high quality final report and make the entire process an enjoyable learning experience.

**Homework:** Problems from the text by Lehninger, Nelson and Cox will be assigned. Homework may be collected and graded. Some assigned problems will be posted on the Biochemistry WWW page.

**Case studies:** Students will work in groups of two or three on case study projects. One week after the assignment, the group will present the case, and answer the biochemical questions for the case. The group will also turn in a written synopsis of their presentation. A part of the written report should indicate the role that each group member had in completing the assignment. Grades will be given based upon the group effort.

**Group Mechanism Project:** Students will work in groups of three to act out one of the enzyme mechanisms that is on the list provided on the www. The group will sign up for the mechanism of their choice and present it on the day indicated on the list. Students are encouraged to be creative. Grades will be given based upon the group effort and the audience will participate in evaluating the presentation.

*Note: This syllabus is intended to be used as a guide, it is not a legal contract, and it may change, depending upon circumstances.*