

University of Detroit Mercy
Department of Chemistry and Biochemistry

CHM 474 SPECIAL TOPICS-BIOCHEMISTRY 12:30 – 1:45 pm MW Term I, 2003-04

Instructor: Dr. Mary Lou Caspers
Office: C203, 993-1196, casperml@udmercy.edu; 993-1258 (for messages)
Office Hrs: 9 am – 12 M, 10 am – 12 TW or by appointment
Text: Journal Articles
Recommended Text: Recombinant DNA, 2nd edition, Watson, Witkowski, Gilman, & Zoller
Lehninger Principles of Biochemistry, 3rd Edition, Nelson and Cox

Objectives/Outcomes: Recent breakthroughs in biochemistry will be explored, as well as the ethical/social implications of the work. The student will read current review articles and articles from refereed journals and will present major findings to the class. The student will become familiar with the new areas of biochemical research and the ethical/social issues related to them.

UNIT	WEEKS	UNIT QUIZ A*	UNIT QUIZ B*
1.	9/3-9/24	9/22	9/29
2.	9/29-10/15	10/13	10/20
3.	10/20-11/5	11/3	11/10
4.	11/10-12/3	11/24	12/9 (Tuesday, 2 pm)

Grading Scale: 90-100%=A, 80-89%=B, 70-79%=C, 60-69%=D, Below 60%=F

Each unit quiz will be worth 40 pts (5 pts will be deducted for any make-up exam)	320 pts
Class participation** (preparation of assigned papers and discussion)	180 pts
Research Report	<u>150 pts</u> 650 pts

ATTENDANCE IS MANDATORY - 5 pts will be deducted/class missed.

Discussion Work Sheet: For each paper that you do not present, you are required to fill in a discussion work sheet. Bring this completed sheet with you on the day that the paper is discussed. It will be collected when the discussion of that paper is finished. One pt will be deducted if the work sheet is not turned in or if your answers are trivial.

Class Participation: Each student is required to actively participate in classroom discussions. In addition, each student must read every paper regardless of whether it is a paper assigned to that student for presentation or not. Students assigned a given paper will make an initial presentation and then lead the discussion.

*Quizzes will be 45 minutes maximum. If the University is closed on a quiz day, that quiz will be given the next time the class meets.

**Up to 20 pts for each paper presentation, 10 pts for discussion/class participation per unit.

Research Report: See attachment.

Dates for Report:

Summary & 5 References due:	10/30/02
Rough Draft due:	11/25/02
Written report due:	12/3/02
Oral presentations:	Dec 4 and 6

Important Dates:

September 6, 2002	Last day to declare Audit or Pass/Fail Option
September 10, 2002	Last day to add a class
September 27, 2002	Last day to drop a course without a "W"
October 28, 2002	Advising for Term II begins
November 22, 2002	Last day to withdraw with a "W"

Academic Integrity:

Students are expected to conform to a high standard of honesty and integrity in this course. (Please refer to the University Catalog and E&S Student Handbook for further explanation of academic integrity.)

Extra Credit Opportunities:

There maybe opportunities to earn extra credit points by attending presentations by departmental or university speakers. Announcements will be made in class regarding these opportunities. To earn the extra credit points, you must attend the lecture and then type a 1-2 page critique of the lecture. You can include a short (1 paragraph summary) of the lecture. The due date for the critique is always 1 week after the presentation.

Additional Handouts:

Literature Discussion Worksheet
Research Paper and Presentation
Oral Presentation Rubric
Unit 1 Presentation Assignments
Topics for Research Report