BIOC/CHEM/MMG 205, Biochemistry I

University of Vermont

Fall Semester, 2003

Instructors	Office	Phone	E-mail
Margaret Daugherty	Given B409	656-0344	Margaret.Daugherty @uvm.edu
Martin Case	Cook A321	656-8264	Martin.Case@uvm.edu

Meeting Time:

Mon/Wed/Fri 9:05 - 9:55, Votey room 105

Required Text:

Principles of Biochemistry with a Human Focus, 1997, Garrett & Grisham

Organization:

Problem Sets, 6 x 4% (3 for Daugherty, 3 for Case)	24%
Exams, 4 x 15%	60%
Comprehensive Final Exam (multiple choice)	16%
	100%

Problems sets will be assigned throughout the course. Exams will last 115 minutes - from 8 am to 9:55 am in the classroom. If you have any scheduling conflicts with the early time slot, please notify the appropriate professor prior to the exam to reschedule. Exams are closed-book, closed-note exams; no class materials may be used and no outside help may be used. *Due to potential scheduling conflicts, you are not allowed to discuss the exams with anyone else until the answer key is posted.* The final exam is cumulative and will occur during the final exam time slot.

Website:

All lecture notes, homeworks and answer keys, and other interesting "items" will be posted as pdf files on a website at http://biochem.uvm.edu/undergradcourses.php

login: biochemistry

password: greatfun

Good stuff to know for Part I: Protein Structure & Function

Dr. Daugherty
Phone: X60344
Office: Given B409
Email: Margaret.Daugherty@uvm.edu

Office hours by appointment - don't hesitate to contact me to make an appointment!

I encourage students to contact me by email with the smaller "clarification" types of questions. I usually respond to emails by the end of the day.

Exam I: Monday 9/29/03 from 8:00 - 9:55 am (comprised of Lectures 1 - 11)
Exam II: Monday 10/20/03 from 8:00 - 9:55 am (comprised of Lectures 12 - 18)

Exams will be held in the classroom!

Absence from an exam requires *prior* approval from Dr. Daugherty.

Homework is ABSOLUTELY due by the end of class on the due date. Late homework will be *severely* penalized ☹. Homework will be returned at the end of the following class period, along with an answer key.

*Review questions (answers in back of book) are for your benefit only - they reflect the type of questions & information that may be asked on the exam!

Review sessions to be held by Dr. Daugherty are Monday from 5:00 - 7 pm in Given Building, Room C443. *There will be no review session on Monday, Sept 8.*

Selected copies of old exams/homeworks for my material are "on reserve" in Dana Library.

Teaching assistant:	Brian Eckenroth
Office hours:	**TBA**
Office location:	**TBA**
Email:	beckenro@zoo.uvm.edu

BIOC 205: BIOCHEMISTRY I SYLLABUS

Dr. Margaret (Peggy) Daugherty
Margaret.Daugherty@uvm.edu
Given Building Room B409
Office: 656-0344
Office hours by appointment

Lecture	Date	Topic	Reading & Review Questions*	Graded Homework
1	W 9/3	Introduction & Review of Fundamentals	CH 1: p 2 - 26 Review questions: 1, 6-10	
2	F 9/5	Review: Water, pH and pKa	CH 2: p 31 - 49 Review questions: 1a,d;2a,e,3,6	Homework 1 out
3	M 9/8	Review of Thermodynamics	CH 3: p 51 - 67 Review questions: 1,2,5,10,11	
4	W 9/10	Amino Acids: The Primary Level of Protein Structure; Amino Acids as Polyprotic Acids	CH 4: p 68 - 81 Review questions: 2,3,4,6	
5	F 9/12	Protein Architecture I: Peptides and the Peptide Bond	CH 4: p 85 - 87 CH5: p 118-121 Review questions: CH5: #4	
6	M 9/15	Protein Architecture II: Secondary Structure	CH 5: p 113 - 126 Review questions: 1,8	Homework 1 due;Homework 2 out
7	W 9/17	Protein Architecture III: Tertiary, Quaternary Structure	CH 5: p 127 - 149 Review questions 2,7	
8	F 9/19	Protein Architecture IV: Tertiary, Quaternary Structure		
9	M 9/22	Protein Architecture V: Evolution, Function, Classification of Proteins	CH 4: p 101 - 111 Review questions	
10	W 9/24	Protein & Peptide Chemistry	CH 4: p 82 - 84 and 88 - 100 Review questions 15	Homework 2 due:Homework 3 out
11	F 9/26	Protein Folding and Stability	CH 5: p 140 - 149 Review questions: 3	