

# BIOC/CHEM/MMG 205, Biochemistry I

University of Vermont

Fall Semester, 2004

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Instructors	Office	Phone	E-mail
Margaret Daugherty*	Given B418	656-0344	Margaret.Daugherty @uvm.edu
Martin Case	Cook A321	656-8264	Martin.Case@uvm.edu

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\*temporary office and phone

## *Meeting Time:*

Mon/Wed/Fri 10:10-11:00, Rowell, room 110

## *Required Text:*

Biochemistry 3<sup>rd</sup> Edition, 2005, Garrett & Grisham

## *Organization:*

Problem Sets, 6 x 6% (3 for Daugherty, 3 for Case)	36%
Exams, 4 x 16%	<u>64%</u>
	100%

Problems sets will be assigned throughout the course. Exams will last 120 minutes - from 7pm to 9 pm in Rowell 103. If you have any scheduling conflicts with the late 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.*

## ***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: 656-0344 (temporary)

Office: Given B418 (temporary)

Email: [Margaret.Daugherty@uvm.edu](mailto:Margaret.Daugherty@uvm.edu)

Office hours (in a review session style): Tuesday 5:30 - 7:30 in Given C443  
Office hours can also be scheduled by 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 9/27/04 from 7:00 - 9:00 pm (Lectures 1 - 11)

Exam II: Monday 10/18/04 from 7:00 - 9:00 pm (Lectures 13 - 20)

**Exams will be held in the Rowell 103 from 7-9 pm!**

For exams, headphones, Palm Pilots and similar data devices, cell phones and outside material and help are all prohibited. Calculators are permitted. I expect students to follow the UVM Honor Code (described in detail at the website

<http://www.uvm.edu/~dosa/handbook/?Page=Academic.html>)

***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!

Teaching assistant: Pete Brescia

Office hours: Tuesday 3:30 - 4:30; Thursday 10:30 - 11:30

Office location: Given Building Room C447 (or C414; same room, different door)

Email: [Peter.Brescia@uvm.edu](mailto:Peter.Brescia@uvm.edu)

BIOC 205: BIOCHEMISTRY I SYLLABUS

**Dr. Margaret (Peggy) Daugherty**

[Margaret.Daugherty@uvm.edu](mailto:Margaret.Daugherty@uvm.edu)

Office: Given Building Room B418 (temporary)

Phone: 656-0344

Office hours by appointment

Lecture	Date	Topic	Reading & Review Questions*	Graded Homework
1	M 8/30	Introduction & Review of Fundamentals	CH 1: p 2 - 29 Review questions: 1, 6,7,8,10,11	
2	W 9/1	Review: Water, pH and pKa	CH 2: p 31 - 49 Review questions: 1a,d;2a,e,3,6	Homework 1 out
3	F 9/3	Review of Thermodynamics	CH 3: p 51 - 75 Review questions: 1,2,5,10,11	
	M 9/6	LABOR DAY — NO CLASS		
4	W 9/8	Amino Acids: The Primary Level of Protein Structure; Amino Acids as Polyprotic Acids	CH 4: p 76-94 Review questions: 2,3,4,7	
5	F 9/10	Protein Architecture I: Peptides and the Peptide Bond	CH 5: p 103 - 108 CH6: p 155 - 157 Review questions:	
6	M 9/13	Protein Architecture II: Secondary Structure	CH 6: p 155 - 165; p 186-188 Review questions: CH6: 1, 4	Homework 1 due; Homework 2 out
7	W 9/15	Protein Architecture III: Tertiary, Quaternary Structure	CH 5: p 108 - 112 CH 6: p 166 - 185; p 194 - 200	
8	F 9/17	Protein Architecture IV: Tertiary, Quaternary Structure	Review questions: CH6: 8	
9	M 9/20	Protein Architecture V: Evolution, Function, Classification of Proteins	CH 5: p 115 - 117; p 131 - 144 Review questions CH 6: 10	