

UCCS BIOL/CHEM 482/582, General Biochemistry II

Course Syllabus, Spring 2009

Course:

- General Biochemistry II
- Section 001, 3.0 credits
- Meets MW, 10:50am-12:05pm, SCI 192

Instructor:

- Sonja Braun Sand, Ph.D.
- Office hours (SCI 238): M/W 10:00-10:40am, when my door is OPEN, or by appointment
- Voicemail, 255-3442
- BEST WAY TO REACH ME: e-mail: sbraunsa@uccs.edu

Required:

- Textbook: *Biochemistry*, Berg, Stryer, & Tymoczko, Sixth Edition.
- Access to my website, www.uccs.edu/~sbraunsa
- Scientific calculator, 4 scantrons (50 per side), pencils

Course description: This course is designed to present details of biochemical processes normally presented in the second semester of a two semester biochemistry course. This includes discussion of mechanisms and control of signal transduction pathways, recurring motifs in metabolism, glycolysis, gluconeogenesis, citric acid cycle, oxidative phosphorylation, glycogen metabolism, and fatty acid metabolism. In addition, some diseases related to defects in these metabolic pathways will be discussed.

Prerequisites: Biol 302, Chem 332, Biol/Chem 481/581, NO EXCEPTIONS

Exams: Three lecture exams will cover material presented in class, text reading, homework, and quizzes. Each exam is in some ways cumulative because in order to understand the current material you must have an understanding of previous material, as information in this course builds on each other. Exams will concentrate on the current material, however, concepts from previous chapters may show up.

Final Exam: The final exam will be the American Chemical Society (ACS) biochemistry exam, given on Monday, May 18th, from 10:50am-1:20pm in SCI 192. DO NOT plan to be gone this day. No makeup exams (early OR late) will be given to anyone unless they meet one of the criteria described in the Attendance section. The ACS requires that we cannot give the final exam back to students. If you have three finals on this day, AND this is your first final of the day, arrangements can be made for you to take this exam at an alternative time/location. However, you must notify me that you have three finals on this day no later than the end of the 10th week of the semester. See the final examination policy in the UCCS Spring 2008 "Schedule of Courses".

Regrading of Exams & Quizzes: A request to regrade an exam must be made in writing on a separate sheet of paper, stapled to the exam or quiz (do NOT write on the exam or quiz itself) and turned in to me within 48 hours of when they are returned in class. In your request, you must explicitly outline why your answer is correct. If a formal request is made, the entire exam may be regraded. If

partial credit has been given to a problem, it is unlikely to be negotiable. After 48 hours have passed, the grade will not be changed.

Final Class Grade: Under no circumstances other than a calculation error on my part will a final grade be changed.

Lecture Notes: Under no circumstances will I share my notes. If you miss class, arrange to get the missed notes from a fellow class member.

Attendance: Attendance is not required, but students who come to class generally do better. There may be material covered in class not in the text. Students are responsible for obtaining any missed materials and announced class changes. Students who miss an exam without **PRIOR** notification to the instructor may be given a grade of zero. **No makeup quizzes are given** but your lowest score is automatically dropped. If you have

1. Proof that you are called to active duty
2. A University excused absence
3. A doctor's note saying you cannot attend class
4. An illness/accident requiring hospitalization
5. Another valid emergency, such as death in the immediate family

You will be allowed to make up the exam, within a short timeframe of when the class takes it, after discussing it with me. Be aware that I may modify the exam from the one given in class. If you miss a quiz for one of the reasons outlined above, you will be given a grade on the missed quiz equivalent to the average of your other three quizzes. Most students find it helpful to briefly review the chapter before it is covered in class, then reread the chapter and **work problems** and questions after lecture.

Miscellaneous Information: Students are responsible for making arrangements to drop classes, turn in student disability verification letters, and other administrative requirements. Check the course schedule and catalog for important dates. For the spring 2009 semester, the last day to drop this class will be April 3rd. ***I will not sign drop slips after this date.*** Students are expected to do their own work. The UCCS academic honor code will be enforced, <http://web.uccs.edu/studentconduct/academicprinciples.html>. This course syllabus and schedule are tentative and subject to change by the instructor. The schedule is quite aggressive, and we may not be able to cover all the material listed. If we fall behind on the material, the exams and quizzes will be held on the same days shown on the schedule, but will cover only the material we have done in class.

Class Etiquette: PLEASE TURN OFF CELL PHONES AND PAGERS DURING CLASS. Please avoid talking, reading newspapers, etc. during class, as it distracts others. Consider this course a professional setting, and as such it is expected that you treat fellow students as well as the instructor/visiting lecturer, etc., with the utmost respect. In case of cancellation or late start classes due to weather or other unforeseen circumstances, coursework will be continued in the next regular class period.

Grading for those registered for 482:

Lecture: will count for 100% of your final grade and includes the following:

3 lecture exams @ 100 pts.	300 pts.
3 lecture quizzes @ 35 pts.	105 pts.
1 final exam @ 45 pts	45 pts.
Total	450 pts.

Makeup exams are given only when you have PROOF that you are called to active duty, have a University excused absence, a doctor's note saying you cannot attend class, or are hospitalized. If you are requesting a makeup exam for any other reason, you will either be (a) penalized 5 pts for each day early or late that you take the exam, or (b) an entirely new exam will be constructed based upon problems out of the textbook for this course, and/or other biochemistry texts. It will be entirely essay, short answer, or calculations. In the case of short answer problems, all work must be shown to receive credit. If the correct answer is achieved fortuitously, partial credit may or may not be given, depending on how the problem was approached.

Quizzes: Four short quizzes will be given periodically throughout the semester during class. There will be **NO** makeup quizzes, either before or after the scheduled time. Under special circumstances (see Attendance section) you will receive a score equivalent to the average of your other 3 quiz scores. Only the three highest quiz scores will be counted. This allows you to miss one quiz due to illness, emergencies, etc. without being penalized. In the case of makeup quizzes, interviews for jobs, graduate school or medical school, etc., will count as excused absences, so long as you provide PROOF of the interview.

Homework: No homework assignments will be given for grades. There will be suggested problems from the textbook that you should work on in preparation for the exam, but none of these will be required or graded problems.

Grade scale: The semester grade will be based on the following percentages; your percentages will be rounded to a tenth of a percent:

A = 100.0 to 91.0%
A- = 90.9% to 89.0%
B+ = 88.9% to 87.0%
B = 86.9% to 81.0%
B- = 80.9% to 79.0%
C+ = 78.9% to 77.0%
C = 76.9% to 69.0%
D = 68.9% to 59.0%
F < 59.0%

Grading for those registered for 582:

Lecture: will count for 100% of your final grade and the point breakdown is shown in the table below. The grading scale will be the same as for those registered for 481. The main difference is that those taking this as a graduate course will choose one of the topics from the textbook (from chapters that we are scheduled to cover) and present a 45-75 minute lecture on them. You can cover either the material in the textbook, or choose to discuss recent literature (no older than 2000) relevant to the topic. This presentation will cover a topic of your choice. The date you give your presentation will vary depending on the topic chosen and how it fits into the schedule. You must see me during the first week of the semester to discuss this in more detail. Topics must be finalized by the end of the second week of the semester.

3 lecture exams @ 100 pts. 300 pts.
3 lecture quizzes @ 35 pts. 105 pts.

1 30 minute presentation	75 pts.
1 final exam @ 45 pts	45 pts.
Total	525 pts.

You must use your UCCS email address for all university business. I WILL NOT REPLY TO ANY NON-UCCS EMAIL ADDRESS. When writing e-mail, please identify your first and last name and the course name. It would be helpful to include something like "CHEM 482 HW question" in the subject line. Emails with unusual subject lines or unidentifiable addresses will not be read.

Notes: Class supplements will be posted online on my website, www.uccs.edu/~sbraunsa. You will need to use the password "482IsFun" to open & print the documents. You are encouraged to print these off and bring them to class to record notes & additional comments.

WebCT: You will need a WebCT account to check your grades in the course. The website is located at <http://webct.uccs.edu/webct/public/home.pl>. The default password is Mmm####N, where Mmm is the first three letters of your birth month, #### is the last four digits of your Student ID number (NOT social security number) and N is the first letter of your last name. This is case sensitive and the first and last letters of the password should be capitalized.

Science Learning Center (SLC): The SLC is located in SCI 145. Walk-in and scheduled tutoring, supplemental materials, computers, web access, and study rooms are available for all science students. Hours include evenings and weekends and are posted on the SLC door. Make-up exams will be taken in the SLC. Make-up exams will be given ONLY to students who meet the criteria set forth in the "attendance policy" section. Written documentation will be required for all instances. Graded materials not picked up during class will be placed in the hallway outside the SLC. Use of the SLC is strongly encouraged. The SLC makes every effort to support science courses at UCCS. However, it is not possible to support all courses, especially 300- and 400-level courses, to the extent we would like. Consequently, please check at the front desk of the SLC or with a staff tutor to find out if help is available for this course. If SLC staff can help, you will be provided with the names of specific tutors and the times they are available.

Student Disability Services: If you have a disability for which you are requesting an accommodation, you are encouraged to contact the Disability Services Office within the first week of classes. The Disability Services Office is located in Main Hall # 105. (Phone # is 255-3354.)

Student Counseling Services: If you have a problem that you are not comfortable dealing with alone, please contact the University Counseling and Testing Center, 324 Main Hall, (719) 255-3265 for assistance. Their counseling service is free for students.