

Biochemistry II

CHE 483 / BIO 483

Spring 2005

Class time: MWF 11:00 - 11:50

Location: SC 402

Instructor: Dr. Stefan Paula
SC 452
paulas1@nku.edu
572-6552

Office hours: M 1:00 – 3:00

W 1:00 – 3:00

or by appointment

Text: *Biochemistry*, 3rd Edition, by Voet & Voet, including CD

Prerequisite: passing grade in CHE 482 / BIO 482 (no exceptions)

Course description:

Advanced metabolism. Glycolysis, citric acid cycle, oxidative phosphorylation, photosynthesis, lipid metabolism. Biosignaling.

Grading:

grade distribution:

3 hourly exams, 20% each	60%
final exam (M, 05/02/05)	20%
in-class quizzes	10%
homework	10%

grade scale:

A	88 – 100 %
B	76 – 88 %
C	62 – 76 %
D	50 – 62 %
F	0 – 49 %

Exams, homework, quizzes:

There will be three one-hour exams and a comprehensive final exam (**M, 05/02/05 from 10:10 - 12:10 pm**).

Several homework problem sets will be assigned throughout the semester. They will be posted on Blackboard and collected in class. Homework assignments will not be accepted late.

Several *unannounced* quizzes will be given in class throughout the semester.

Attendance is not taken, but highly recommended. You are expected to come to class *on time*. You are responsible for the material covered in class and will find it difficult to do well in this course if you do not attend the lectures on a regular basis.

Missed Exams/Quizzes:

There are no make-ups for missed exams and quizzes. Missed exams and quizzes will count as zero, unless you have a **documented** medical or personal emergency **and** have **notified the instructor** in a timely fashion. You may miss one quiz without penalty since the quiz with the lowest score will be dropped at the end of the semester. If you miss an exam because of an emergency, the final exam will count 40% instead of 20%.

Blackboard:

Some of the material presented in class and the homework assignments will be posted on Blackboard. All students are required to obtain a username and password to access Blackboard.

Other Information:

The last day to drop the course with an X is January 29th, the last day to drop with a W is March 28th.

Honesty:

In accordance with the Student Honor Code, cheating will not be tolerated. A student found guilty of cheating will receive an **F** for the course.

Tentative Schedule of Topics:

<i>Topic</i>	<i>Chapter in Textbook</i>
review of glycolysis	17
glycogen metabolism	18
citric acid cycle	21
Exam 1	
oxidative phosphorylation	22
photosynthesis	24
Exam 2	
gluconeogenesis	23
pentose phosphate pathway	23
lipid metabolism	25
Exam 3	
biosignaling	19, 20
Final Exam	

This schedule is only tentative and subject to change.

Policies of the Department of Chemistry at Northern Kentucky University

All items on syllabi are subject to change by the instructor.

Students are responsible for reading and understanding all items on the syllabi. Any items not understood must be brought to the attention of the instructor within the first two weeks of class.

The work you will do in any course is subject to the Student Honor Code. The Honor Code is a commitment to the highest degree of ethical integrity in academic conduct, a commitment that, individually and collectively, the students of Northern Kentucky University will not lie, cheat, or plagiarize to gain an academic advantage over fellow students or avoid academic requirements.

Cheating will not be tolerated. In accordance with the Code of Student Rights and Responsibilities, faculty members have the right to determine actions to be taken when a student is caught cheating.

Faculty members reserve the right to dismiss or to have removed a disruptive student from their classrooms.

This is a web enhanced course. Students meet at regularly scheduled class time and will need access to the internet to fulfill course requirements.