

Syllabus
Physiological Chemistry
CHE-115-002 SC308 TR 4:30-5:45
Spring 2006

Instructor: Dr. PJ Ball

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Office Hours: M: 10:30-1:30; T: 11-12; W: 10-12; R: 2-3; others by appointment and open door policy

Required Text: Introduction to General, Organic, and Biochemistry, 7th ed. Bettelheim, Brown, and March, Brooks/Cole, 2004.

Course Description:

This course is intended for non-science majors, particularly those desiring careers in nursing and allied health-care fields. This course fulfills the general education science requirement. The basic principles of general, organic, and biological chemistry are covered with an emphasis on chemical reactions and concepts related to physiological processes and other phenomena of everyday interest.

Objectives:

Upon completion of this course, the student will demonstrate the ability to:

- Discuss the basic concepts of general chemistry, organic chemistry, and biological chemistry
- Identify the factors that influence chemical processes
- Evaluate the outcomes of chemical processes as they relate to body functions
- Discuss the relationship of chemistry to a variety of topics such as health, disease, nutrition and the environment

Prerequisite:

High School Chemistry or CHE 102 or equivalent

Note: It is assumed in this course that you understand the concepts covered in Chapters 1 and 2 of your text book, as well as most of the information in Chapters 3 and 4. It is very important that you understand the material presented in these chapters as it lays a foundation for the rest of the topics that will be covered in this course. It is your responsibility to seek assistance if you are not comfortable with these topics. Please know that I am always happy to meet with you.

Tests:

There will be four tests during the semester and a final exam. The dates are listed on the attached schedule. There will be NO make up tests. If you miss one test, the exam will count for an additional 17% of your grade. If you miss more than one test, you will receive a zero for each test missed beyond the first test.

Quizzes/ Assignments:

All quizzes and assignments will be announced and provided via Blackboard. Students are expected and bound by the University Honor Code to take the quizzes/assignments on their own.

Grading:

Tests = 65%

Quizzes/Assignments = 15%

Final Exam = 20 % (The final exam will be comprehensive)

A = 90-100

B = 80-89

C = 70-79

D = 60-69

F = 0-59

Policies of the Department of Chemistry at Northern Kentucky University:

- All items on the syllabus are subject to change at the discretion of the instructor
- Students are responsible for reading and understanding the syllabus. Any items that are not understood need to be brought to the attention of the instructor within the first two weeks of the semester
- The work that you do in this 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. Faculty members have the right to determine actions to be taken when a student is caught cheating.
- Faculty members have the right to dismiss or have removed disruptive students from their classroom.

Note: Please turn off cellular phones during class. If you expect an emergency call please notify me before class begins. Use of a cellular phone during a test is considered cheating.

CHE 115
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MONTH (WEEK NO.)	MON	TUES	WED	THUR	FRI
JAN (1)	9 Classes Begin	10 Intro/2 Atoms	11	12 3 Chem. Bonds	13
(2)	16 MLK Day No Classes	17 3 Chem. Bonds	18	19 4 Chem. Rxns	20
(3)	23	24 4 Chem. Rxns	25	26 5 Gases, Liq,Sol	27
(4)	30 Last Day to "X"	31 5 Gases, Liq,Sol	1	2 T1	3
(5)	6	7 6 Solutions	8	9 7 Rates & Equil	10
(6)	13	14 8 Acids & Bases	15	16 8 Acids & Bases	17
(7)	20	21 9 Nuclear Chem	22	23 10 Organic	24
(8)	27	28 T2	1	2 11 Alkanes	3
(9)	6 Spring Break No Classes	7 Spring Break No Classes	8 Spring Break No Classes	9 Spring Break No Classes	10 Spring Break No Classes
(10)	13	14 12/13 Alkene/Benz.	15	16 14 Alcohol/Ether	17
(11)	20	21 16 Amines	22	23 17 Ald. & Ketones	24
(12)	27 Last Day to "W"	28 T3	29	30 18 Carbox. Acid	31
(13)	3	4 18 Carbox. Acid	5	6 23 Chem. Comm	7
(14)	10	11 23 Chem Comm.	12	13 24 Heredity	14
(15)	17	18 25 GeneExpress.	19	20 T4	21
(16)	24	25 TBA	26	27 Review	28 Last Day
	1	2	3	4	5

****Schedule is subject to change at the discretion of the instructor