

Chemistry 104 – Fall 2010

Instructor: M. G. Kimble, SB486

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Course Web Page: <http://www.ipfw.edu/chem/104/kimble/>

Tentative Course Schedule: Last Updated 9/15/10

Week of :	Tuesday	Thursday
Aug 23	Introduction	Measurement (Chapter 1)
Aug 30	The Atom (Chapter 2)	Chemical Bonds (Chapter 3)
Sep 6	Labor Day (No Class)	Stoichiometry (Chapter 4)
Sep 13	Chemical Reactions (Chapter 4)	Chemical Reactions (Chapter 4)
Sep 20	Chemical Reactions (Chapter 4)	First Exam (Chapters 1-4)
Sep 27	Gases (Chapter 5)	Liquids and Solids (Chapter 5)
Oct 4	Solutions (Chapter 6)	Rates and Equilibrium (Chapter 7)
Oct 11	Fall Recess (No Class)	Acids and Bases (Chapter 8)
Oct 18	Acids and Bases (Chapter 8)	Nuclear Chemistry (Chapter 9)
Oct 25	Second Exam (Chapters 5-9)	Alkanes (Chapter 10 and 11)
Nov 1	Alkenes and Benzene (Chapter 12 and 13)	Alcohols and Ethers (Chapter 14)
Nov 8	Chirality and Amines (Chapter 15 and 16)	Aldehydes and Ketones (Chapter 17)
Nov 15	Carboxylic Acids (Chapter 18 and 19)	Third Exam (Chapters 10-19)
Nov 22	Carbohydrates and Polymers (Chapter 20)	Thanksgiving (No Class)
Nov 29	Lipids (Chapter 21)	Proteins (Chapter 22)
Dec 6	Enzymes (Chapter 23)	Nucleic Acids (Chapter 25 and 26)
Dec 13	Final Exam	1:00 – 3:00 pm

Last day to drop without a grade is October 29.

This course is designed as a survey course in general, organic and biochemistry for non-science majors. Upon completion of the course a student should be able to make informed decisions about chemical issues affecting everyday life.

Required Textbooks: *Introduction to General, Organic and Biochemistry*,
Bettelheim, *et al*, Ninth Edition, Brooks/Cole, 2010.

Required Materials: scientific calculator, internet access

Grades will be based on the following:

15 Homeworks	150
5 Quizzes	50
3 Exams	450
Final Exam	200
3 Projects	150
Total points possible	1000

The following grades are guaranteed for the point totals attained:

A+	970+	C+	770-799
A	930-969	C	730-769
A-	900-929	C-	700-729
B+	870-899	D+	670-699
B	830-869	D	630-669
B-	800-829	D-	600-629

Homework assignments are posted on the course web page. These are due at the lecture session following the completion of each chapter but NO LATER THAN the day of the exam covering that material. The following header must appear in the upper right hand corner of the first page in order to receive credit for the assignment.

Your 3-digit ID Number
Chapter Number

Do not use paper that has been torn from a wire-bound notebook unless you trim it. Please staple pages together. Submit each chapter SEPARATELY.

There are three one-hour examinations and a comprehensive final exam. These are required. If for some reason you cannot attend one of these announced times, arrangements should be made in advance, if possible, for taking the exam at an alternate time. You must make arrangements within three working days of the scheduled time for making up an exam.

There are also unannounced quizzes. There are NO MAKEUPS for missed quizzes. Only the best five scores will count.

If you do not properly fill out Scantron cards or do not put your name legibly on homework and classroom assignments, you may have to forfeit the points for that activity.

You may feel free to electronically record the lectures. Please turn off cell phones and set pagers to a signal that will not interrupt class.

Your regular attendance is anticipated. You are responsible for any announcements and/or changes in the schedule that may become necessary during the semester. It is in your best interest to make several contacts on the first day of class; in the event you should miss a class you will be able to get announcements.

We will have SI (Supplemental Instruction) sessions for CHM104. Be sure to attend the ones designated for Kimble as we will be moving at a different pace than the other sections.

CASA (ground floor, Kettler Hall; 481-6817) offers tutoring, as well as workshops on test taking and note taking and other helpful college skills. These are free and well worth the effort. If you get really nervous before an exam, something in these workshops may help you. DO NOT wait until the night before an exam to find out about these resources.

The Center for Women and Returning Adults, in the basement of the Walb (481-6029) is available for women students and those over the age of 21. They offer help in balancing home, college, job, and family.

If you have or acquire a disability that limits your academic activities, you may be eligible to receive services and accommodations to assure you equal opportunity to complete this course successfully. These disabilities include clinically-diagnosed disorders. Contact Services for Students with Disabilities (481-6657, WU118). I will cooperate fully to assist any eligible student.

If at anytime during the course, you find yourself in need of talking about a personal or family crisis, please consider contacting any of the following people; their services are available on campus and are free and confidential:

IPFW Campus Minister (Ben Gates)	481-6992
Catholic Campus Minister	481-6994
IPFW Personal Counselor (Don Smith)	481-6592

Again, if you think you are approaching a breaking point, please avail yourself of these services as soon as possible. Don't wait until things get really out of control.

Drops

It may happen that you find yourself in trouble that can't be cured. If that happens, please keep in mind the following things: The drop deadline is October 29, 2010. By that time, you will have the results of two exams. After the drop deadline, I cannot give you a W grade. I also cannot give an incomplete to avoid a low grade.

Internet access

It is required that you have access to and are able to use the internet. Most of the course material will be posted on the web.

You will receive a three-digit number at the beginning of the semester for grade reporting purposes and this number will be used to assure privacy when grades are posted on the course web page. Lecture notes, homework problems, answers to exams, course announcements and current course grades will be posted on this website. If weather makes it impossible for me to drive in, I will place an announcement on this page before 9 am that day. You may wish to bookmark it for easy reference. I will be adding things often so you should check this page at least once a week.

My Course ID Number is: _____

My Contacts are: