

CHEM 10050 - Fundamentals of Chemistry - Summer 2009

Dr. Clarke W. Earley
Kent State University Stark Campus
421 Main Hall
Phone: (330) 244-3421
email: cearley@kent.edu
Web site: <http://www.personal.kent.edu/~cearley/>

Dr. Earley's Schedule			
Office Hours	9:30-10:00am	MTWR	MH 421
Fund. of Chem.	10:00-12:00pm	MTWR	MH 301
Office Hours	12:00-12:30pm	MTWR	MH 421

Additional office hours available by appointment

Text

Fundamentals – Introduction to General, Organic, and Biochemistry, by Bettelheim, F. A., Brown, W. H., Campbell, M. K., Farrell, S. O; Thomson Brooks/Cole, 2007; 8th Edition.

Prerequisites

A basic understanding of high school algebra or equivalent is required. While previous chemistry coursework is beneficial, no prior knowledge of chemistry is assumed.

Purpose of this Course

This course is designed as the first chemistry course in a sequence intended primarily for nursing majors. It provides an understanding of the fundamental principles of general chemistry, and covers such topics as atomic theory, molecular formulas, chemical equations, thermodynamics, and properties of solutions. Since a required body of material *must* be covered, there is very little flexibility in the schedule. If you feel you are falling behind, it is essential that you get help as soon as possible. The pace of this course in summer is such that it is extremely difficult to catch up once a student falls behind.

Grading

Grades for this course will be based entirely on the results of four examinations worth 100 points each and a cumulative final worth 100 points. Tentative dates for these exams and quizzes are given in the lecture outline below. I will make every attempt to give reasonable notice if any of these dates change. Grades will be based on the scale shown below. Grades will not be curved or arbitrarily adjusted in any manner, and extra credit will not be given.

Examinations	4x100 pts	400 pts
Final Examination	100 pts	100 pts
Total		500 pts

Grade	A	B+	B	B-	C+	C	C-	D	F
%	90-100%	88-89%	82-88%	80-81%	78-79%	72-78%	70-71%	60-70%	<60%
Points	450-500	440-449	410-439	400-409	390-399	360-389	350-359	300-349	<300

Attendance

Attendance in lecture is optional, but strongly encouraged. Students are responsible for all material presented in lecture whether or not they are present. If you must miss class for an extended period, please see me.

Homework

Suggested homework assignments are listed below. Although these will not be collected or graded, it is important that these problems be completed in a timely manner. Students are encouraged to work together on homework. Only selected problems will be worked during lectures, but all assigned problems are meant to be a guide to assist in preparation for examinations.

Suggested Homework Problems

Chapter	End-of-Chapter Problems
1	# 16, 17, 18, 25, 27, 28, 30, 31, 34, 36, 37, 38, 39, 42, 46, 48, 50, 56
2	# 9, 20, 22, 23, 26, 28, 33, 42, 44, 49, 50, 53, 59, 69, 75
4	# 17, 20, 29, 31, 34, 35, 38, 39, 41, 45, 47, 48, 50, 53, 56, 73, 75, 81, 102, 106
5	# 17, 18, 19, 20, 21, 30, 31, 33, 41, 46, 47, 53, 56, 58, 60, 62, 66, 67, 70, 73, 74, 83, 90, 92
6	# 31, 32, 40, 45, 49, 53, 57, 59, 60, 63, 64, 68, 70, 91, 98
7	# 14, 16, 22, 24, 26, 35, 36, 38, 39, 53, 55, 59, 61, 62, 64, 67, 71, 83
8	# 11, 15, 16, 18, 19, 24, 25, 26, 27, 28, 31, 33, 37, 39, 50, 51
9	# 13, 14, 20, 22, 24, 27, 28, 29, 32, 35, 38, 40, 44, 45, 51, 52, 59, 61, 62, 82, 84, 102
3	# 9, 12, 13, 18, 20, 23, 26, 28, 29

Examinations

The format of examinations will be varying combinations of multiple choice, true/false, matching, drawing of chemical structures, and/or short answer. These examinations will typically be given in the first hour of class. Copies of examinations given in previous semesters will be made available on the course web site. It is important to realize the content of this course is dynamic, and these old examinations may not include all topics covered this semester and probably will *not* place the same emphasis on all topics between semesters.

The final examination is scheduled for the last regularly scheduled class period (Thursday, July 16 at 10:00am). This examination will be cumulative, but will emphasize material covered after the last regular examination.

If you are unable to attend any examination during the regularly scheduled time, you must contact Dr. Earley *before* the examination is given to arrange a makeup examination. Makeups must be completed within one week of the scheduled date (but before the end of the semester), and will only be given for legitimate, documented excuses.

Student email accounts

All students enrolled in the Kent State University system are given a FlashLine account. FlashLine is the internet 'portal' that provides access to e-mail, Web for Students, Vista, and a number of other resources. University policy states that email is a valid method of transmitting information to students, so it is important to check your e-mail periodically.

Computers and Internet Usage

I will occasionally make reference to material that is available either locally or on the Internet throughout the semester. All of this material will be accessible using any modern Internet browser (Firefox, Microsoft Internet Explorer, Mozilla, Netscape Navigator, Opera, etc.) While it is not required that you take advantage of this information, some of this material can be quite helpful. The address for my Web site is:

<http://www.personal.kent.edu/~cearley>

In addition, I will post the results of all exams, quizzes, and other graded student work on Vista (Blackboard). At the end of the semester, this will also include your overall course grade.

Final Grades and Web for Students

Final grades for students are NOT mailed to students at the end of every semester. The ONLY way for students to find their grades is to look at Web-For-Students (<http://wfs.kent.edu> or through Flashline). I will not be able to give final course grades out over the phone, by e-mail, etc.

Office Hours

Office hours are listed near the top of this syllabus. If you would like to meet with me outside of these normal times, see me before or after class (or call) and we can set up additional time to meet.

Course Withdrawal

If you are considering withdrawing from this or any other course, you are encouraged to consult with a staff member in the Student Services Office, 134 Main Hall. Withdrawal from a course can affect financial aid, student status, or progress within your major. For withdrawal deadlines, please refer to http://www.registrars.kent.edu/home/TermUpdate/sche_adj.htm.

Academic Honesty

Use of the intellectual properties of others without attributing it to them is considered a serious academic offense. Cheating or plagiarism will result in a failing grade for the work or for the entire course. Repeat offenses result in dismissal from the University. University guidelines require that all infractions be reported to the Student Conduct Officer on our campus.

Students with Disabilities

Kent State University recognizes its responsibility for creating an institution atmosphere in which students with disabilities can succeed. In accordance with University Policy Subpart E. . .104.44, if you have a documented disability, you may request accommodations to obtain equal access in this class. Please contact the disability coordinator on campus, Kelly Kulick in Student Accessibility Services, located in the Student Success Center, lower level of the Campus Center, phone (330)244-5047, or kkulick@kent.edu. After your eligibility for accommodations is determined, you will be given a letter which, when presented to instructors, will help us know best how to assist you.

Campus Security

If you need to reach Campus Security, their phone number is 330-705-0430.

Grievance

The "Kent State University Digest of Rules and Regulations" (available online at <http://www.kent.edu/regional/>) should be consulted for information on grievance procedures, statement of non-discrimination, and additional information on official policies.

Classes Canceled - Campus Closings

Announcements of class cancellations and/or campus closings will be made on the campus home page. In the case of an emergency, weather-related or otherwise, please check the web page at stark.kent.edu for information on the buildings and times of the closing. While information may be broadcast by radio and television, this should be confirmed by the web page, which is the official announcement of the campus and which will be the information used to determine issues related to student attendance, rescheduling of tests, and other concerns.

Recycling

The KSU Stark Campus has made a commitment to recycling. Please take a few seconds to separate your trash. Aluminum cans and plastic and glass bottles may be placed in the blue recycling bins, and all types of paper may be placed in the blue recycling bins. All other waste may be placed in the black, brown or gray trash cans.

Tentative Schedule

Week beginning ...	Monday	Tuesday	Wednesday	Thursday
June 15	Ch. 1	Ch. 1, 2	Ch. 2	Exam #1 , Ch. 4
June 22	Ch. 4	Ch. 4	Ch. 5	Exam #2 , Ch. 5
June 29	Ch. 5	Ch. 6	Ch. 7	Exam #3 , Ch. 7
July 6	Ch. 7	Ch. 8	Ch. 8	Exam #4 , Ch. 9
July 13	Ch. 9	Ch. 9	Ch. 3, Review	Final Exam

All dates listed above are tentative and are subject to change.

^(S)Last day to receive any tuition refund for Summer I is June 26.

^(W)Last day to withdraw from a course for Summer I is July 6.