

Chemistry 102

Fall 2008

Course: Chemistry 102

Date: Saturdays

Time: 8:30-12:20

Location: FH 133

Textbook: Kotz, Treichel and Weaver: Chemistry and
Chemical Reactivity (6th ed.)

Website: Blackboard (blackboard.luc.edu)

Instructor: Prof. Jacob Ciszek

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Note, contact is best through e-mail.
Don't contact me through the OWL
system. I check it infrequently.

Course Philosophy: While every student may not enter the class with the intent to become proficient in chemistry, I strongly feel that my role as a professor is to get you to that point. Thus the expectations of you the student, is through hard work, attending class, and completion of the homework you will obtain this proficiency and do well in the course. My role is to provide you with the information and the tools, in a coherent matter, so that solving said homework (as well as the quizzes and exams) are not burdensome.

We have a limited amount of days allotted to class. Thus it is very important that the class environment is free of distractions. No laptops or other computers are allowed. Cell phone use including texting is not acceptable.

Office Hours: Office hours are formally announced the first day of class. Office hours consist of one hour during each of the following time slots (3h total):

Weekday, 1h, (ed. 9/8, Mon. 6-7 P)

Weekday, 1h, (ed. 9/8, Thurs. 10-11 A)

Weekend, 1h, (ed. 9/8, Sat. 1-2 P, I won't stay past 1:30 if no one comes)

Academic Honesty & Discipline: Honesty is the foundation of the academic system and hence is of the utmost importance. All exam and quiz answers should be exclusively your own work and no outside materials are allowed. In the unfortunate event that a student is caught cheating 100 points will be deducted from your total grade and you will be brought to the attention of the Department Chair and Dean of the College who will determine if further action should be taken.

Grading: As we only have 12 lectures, this time must be used judiciously. Every week a multiple homework assignments are due. Exams will be approximately every 4 weeks. Every other week will have a quiz.

The role of homework is to refresh the lecture information in your mind and prepare you for quizzes and exams. Homework will primarily be posted on OWL but expect occasional paper assignments. Homework will be due Tuesday (OWL), Thursday (OWL), and Saturdays (OWL+paper). Collaboration on homework is allowed.

Quizzes are designed such that an average student who works hard and grasps the material should score ~85%. Exams (and the final) are designed so that this same student will score approximately 70-75%. This allows motivated students to truly go beyond what is expected to distinguish themselves, not to penalize those who work as expected.

There are no makeup exams or quizzes. Both the lowest quiz and exam are dropped. This should be used judiciously. Note that exam 4 will be take-home so we can get it in before the

end of the school year. You will have 24h from the time when the exam 4 is available for pickup/download to complete and return the exam.

Discussion points are given for the final portion of the class where you are expected to work through some selected problems in small group. The purpose here is to work through material presented in lecture.

Finally, there is a grading category called office hours. You are expected to stop by at least one office hour, within the first four weeks, even if it is to just to introduce yourself. This will be the easiest 10 points you earn.

Grading scale:

Homework:	12x 10 pts	120	A > 90%
Quizzes	5 x 20 pts	100 (lowest of 6 dropped)	B > 80%
Exams	3 x 100 pts	300 (lowest of 4 dropped)	C > 70%
Final	200 pts	200	D > 60%
Discussion	12 x 5 pts	60	
Office Hour	10 pts	<u>10</u>	
Total		800	

Note the intended scale would put the average for exams and the final at just above the lowest C. Homework and quizzes will mitigate this a bit. However based on overall class competence the grading scale may be relaxed a little at the end of the semester (certainly no more than a couple percent). If the whole class has mastered the material you will not be punished because you are below the average. The A, B, C, D scale represents the maximum score you would need for that grade. Pluses and minuses are not indicated in the grading scale but will be given. This will be done according to the natural breakdown of the grade distributions. Expect this to be the closest 1-2% to the final A-B, B-C, and C-D divisions.

Schedule (approximate):

8/30	Labor Day Weekend, no class			
9/6	Introduction, Solutions	p656-698		
9/13	Kinetics	p698-756	HW#1 due TTS	Quiz 1
9/20	Exam 1 , Equilibrium	p756-769	HW#2 due TTS	Exam 1
9/27	Equilibrium, Acids & Bases	p769-813	HW#3 due TTS	Quiz 2
10/4	Acid & Bases, Aqueous Equilibrium	p813-866	HW#4 due TTS	
10/11	Aqueous Equilibrium	p866-902	HW#5 due TTS	Quiz 3
10/18	Exam 2 , Thermodynamics	p902-928	HW#6 due TTS	Exam 2
10/25	Thermodynamics,	p928-942	HW#7 due TTS	Quiz 4
11/1	Electrochemistry	p942-970	HW#8 due TTS	
11/8	Electrochemistry	p970-1012	HW#9 due TTS	Quiz 5
11/15	Exam 3 , Coordination Chemistry	p1068-1088	HW#10 due TTS	Exam3
11/22	Coord. Chem., Nuclear Chemistry	p1088-1145	HW#11 due TTS	Quiz 6
11/29	Thanksgiving Break, no class			
12/4	5:00p Exam 4 due (exam, HW only)		HW#12 due TT	

Note, the pace in the first two weeks will be rigorous. Be prepared.

Other:

Simple calculators are allowed for exams. Those capable of storing complex (for example images) or large amounts (1+ pages of text) of information are not. See me if you are unsure about yours.