

Sections: 02FH, 02F1, 02F2, 02F3, 02F4, 02G3, 0713, 0715, 0717

Day: M, W, F **Room:** CLB 130 **Period:** 3 (9.35-10.25 am)

Pre-requisites: Grade C or better in CHM 2045

Co-requisite: CHM 2046L

Instructor: Professor G. Christou **Office:** CLB 408

Contact: christou@chem.ufl.edu **TA's:** see the TA assignment sheet

Office Hours: W 3.00 - 5.00 pm, or by appointment.

Textbook: *Chemistry: The Molecular Nature of Matter and Change* (6th Edition) by Martin Silberberg. Students are advised to read and study the textbook, and do the assigned homework. However, they should remember that the textbook supports the lectures but does not substitute for them. Class attendance is strongly recommended.

Remember: it is the instructor that writes the exams, not the textbook!

The instructor's notes and other useful info are available online at:

<https://christou.chem.ufl.edu/classes/chem-2046/>

Approximate Course Schedule				
Week	Dates	Chapter	Topic	Exams/Quizzes
1	Jan 4, 6	17	Equilibrium	
2	Jan 9, 11, 13	17	Equilibrium	
3	Jan 18, 20	18	Acids-Bases	
4	Jan 23, 25, 27	18	Acids-Bases	Quiz 1: Jan 24
5	Jan 30 Feb 1, 3	19	Other Equilibria	Exam 1: Jan 31 8:20-10:10 pm
6	Feb 6, 8, 10	19	Other Equilibria	
7	Feb 13, 15, 17	20	Thermodynamics	
8	Feb 20, 22, 24	20	Thermodynamics	Quiz 2: Feb 21
9	Feb 27 Mar 1, 3	21	Electrochemistry	Exam 2: Mar 1 8:20-10:10 pm
10	Mar 4 - 11		SPRING BREAK	
11	Mar 13, 15, 17	21	Electrochemistry	

12	Mar 20, 22, 24	14	Main Group Elements	
13	Mar 27, 29, 31	14	Main Group Elements	Quiz 3: Mar 28
14	Apr 3, 5, 7	23	Transition Metals	Exam 3: Apr 5 8:20-10:10 pm
15	Apr 10, 12, 14	23	Transition Metals	
16	Apr 17, 19	23	Transition Metals	Quiz 4: Apr 18
			FINAL EXAM	Tues, April 25 10.00 - 12.00 am

Exam Coverage: The Exams are on Tuesday or Wednesday evenings and will cover material up to and including the previous Friday. The Final Exam will be cumulative, but with a greater emphasis on material covered after the Exam 3 cut-off (Mar 31). Any adjustments to these cut-off's will be announced in class.

Make sure you turn up to the correct room for the exam - there are other CHM 2046 exams at the same time as ours!

Quizzes: There will be four quizzes that will be given during the Tuesday Discussion Sections on Jan 24, Feb 21, Mar 28 and Apr 18. They are timed to also help you prepare for the Exams.

Calculators: You will need a calculator for the quizzes and exams. Bring your own scientific calculator. No graphing calculators or calculators that store equations or other data are allowed. Calculators will not be provided.

Grading:

Quizzes	best 3 of 4	@ 50 points each	=	150 points
Exams	best 2.5 of 3	@ 150 points each	=	375 points
Final		@ 200 points	=	200 points
		Total		<u>725 points</u>

Make-up Quizzes or Exams: You are strongly advised to ensure that there is no conflict or other reason that makes you miss a Quiz, Exam or Final. It is very difficult to organize a make-up Quiz or Exam, and only in exceptional circumstances, *and with prior approval of the instructor*, will a make-up be set.

Homework: End-of-chapter problems from the textbook will be assigned, but not collected or graded. These are to provide you practice with the kinds of problems you will face in quizzes and exams.

Other Absences: Attendance records are not maintained. Please understand that you are responsible for being aware of all announcements made and material distributed in class. Missing class, even one class, is an effective means of getting left behind.

Chemistry Learning Center: The CLC, located in Flint Annex 257-258, is a study facility available to all chemistry students. You may work there whenever the building is open, generally up to 10:00 or 11:00 pm weekdays. Please be quiet, and ask others to be so also, when you are in this room. Eating and socializing are to be conducted outside in one of our many courtyards. Chemistry teaching assistants will be available here to answer questions and provide help during most daytime and early evening hours. The times at which the CHM 2046 assistants are available will be posted outside C130 and inside the CLC. You may see your own or any other TA whenever convenient, no appointment necessary. Assistants teaching in other courses should also be able to assist you with most topics, even if they are not currently teaching CHM 2046.

Other Information:

1. Honor code statement: see <http://www.chem.ufl.edu/~itl/honor.html>
2. Students with disabilities: see <http://www.chem.ufl.edu/~itl/disabilities.html>
3. Counseling and Health Care: see <http://www.chem.ufl.edu/~itl/counseling.html>

