

Pre-requisites: Grade C or better in CHM2045 **Co-requisite:** CHM2046L

Instructor: Prof. D. Talham **Office:** CLB 412A

Contact: Email through Canvas **TA's:** see the TA assignment sheet

Office Hours: M 2:00 - 4:00 pm; F 11:00 - 12:00, or by appointment.

Sections: 29479, 29480, 29482, 29483, 29484, 29485, 29486, 29488, 29489

Day: M, W, F **Room:** CLB 130 **Period:** 3 (9:35-10:25am)

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

Contact: Email through Canvas **TA's:** see the TA assignment sheet

Office Hours: R 3.00 - 5.00 pm, or by appointment

Sections: 25608, 25609, 25611, 25612, 25615, 25617, 26367, 26369, 26371

Day: M, W, F **Room:** CLB 130 **Period:** 5 (11:45-12:35am)

Textbook: *Chemistry: The Molecular Nature of Matter and Change* (8th Edition, or earlier) by M. Silberberg is recommended. You 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.

Approximate Course Schedule (X = no class due to holiday)				
All classes, exams and quizzes will be live (in-person)				
Week	Dates	Chapter	Topic	Exams/Quizzes
1	Jan 5, 7	17	Equilibrium	
2	Jan 10, 12, 14	17	Equilibrium	
3	Jan X, 19, 21	18	Acids-Bases	
4	Jan 24, 26, 28	18	Acids-Bases	Quiz 1: Jan 27
5	Jan 31, Feb 2, 4	19	Other Equilibria	Exam 1: Feb 2 8:20-10:10 pm
6	Feb 7, 9, 11	19	Other Equilibria	

7	Feb 14, 16, 18	20	Thermodynamics	
8	Feb 21, 23, 25	20	Thermodynamics	Quiz 2: Feb 24
9	Feb 28, Mar 2, 4	21	Electrochemistry	Exam 2: Mar 2 8:20-10:10 pm
10	Mar X, X, X		SPRING BREAK	
11	Mar 14, 16, 18	21	Electrochemistry	
12	Mar 21, 23, 25	14	Main Group Elements	
13	Mar 28, 30 Apr 1	14	Main Group Elements	Quiz 3: Mar 31
14	Apr 4, 6, 8	23	Transition Metals	Exam 3: Apr 5 8:20-10:10 pm
15	Apr 11, 13, 15	23	Transition Metals	Quiz 4: Apr 14
16	Apr 18, 20	23	Transition Metals	
	April 25		FINAL EXAM	12.30-2.30 pm

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 (Apr 1). Any adjustments to these cut-offs 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 Thursday Discussion Sections on Jan 27, Feb 24, Mar 31, and Apr 14. They are timed to also help you prepare for the Exams.

Discussion Sections. Discussion sections begin Jan 13 and will be used for team worksheets, which earn points toward your course grade. Discussion sections also provide opportunity for questions and clarifications on homework problems, reading, and lecture content.

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
Worksheets	@5 pts each, 40 pts maximum	=	40 points
Final	@ 200 points	=	200 points
	Total		<hr/> 765 points

Grading Scale: The approximate grade cut-offs are shown. They will not be raised

A (86%), A- (82%), B+ (78%), B (75%), B- (72%), C+ (68%), C (65%), C- (62%), D+ (58%), D (54%), D- (50%), E (<50%)

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

Exam Absences: will be handled in accordance with official UF academic regulations. For more information, see <https://catalog.ufl.edu/UGRD/academic-regulations/>. See below for further clarification for two different types of situations.

(1) Conflicts with other events: Acceptable reasons to miss a scheduled exam include conflicting evening exams in courses with higher course numbers, religious holidays, military obligations, special curricular requirements (e.g., attending professional conferences), or participation in official UF-sanctioned activities such as athletic competitions, etc.

For more information on such absences see the official UF Policy at <https://catalog.ufl.edu/UGRD/academic-regulations/attendance-policies/#absencestext>). If you must be absent for an exam due to a documented and approved conflict known in advance, you must contact me with the documentation at least one week prior to the scheduled exam and an early conflict exam will be scheduled for you.

(2) Missing an exam due to an emergency or sudden illness: If you are absent for an exam due to an unpredicted documented medical reason or family emergency, you must contact the instructor as soon as possible, and you may be asked to have your excuse verified by the Dean of Students Office (DSO). Instructors follow UF academic regulations in evaluating the notification and/or documentation received from you or from the DSO on your behalf. Once your instructor is satisfied with the validity of your exam absence a make-up exam will be scheduled after a reasonable amount of time, i.e., before the end of the semester. If your documentation is deemed insufficient to excuse your absence you will receive a **zero** on the missed exam.

Exam Grade Disputes: Any and all exam grade disputes or Scantron confirmations must be performed within two weeks of the scheduled exam date. Bubbling errors will not be negotiated, and a 5 point penalty will be applied for failure to bubble in a form code, UFID, or not taking the exam in the assigned room.

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 CCB 105, is a study facility available to all chemistry students. You may work there whenever the building is open, which is 7am to 8pm 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 online and in 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.

Additional Study Resources: [Broward Teaching Center](#) offers free walk-in help at scheduled times for all students that you may find useful. See their website for details. The Office of Academic Support also offers [free tutoring](#).

Students with Disabilities: Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, <http://www.dso.ufl.edu/drc/>) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. The student is responsible for scheduling the exam dates with the DRC. Students with disabilities should follow this procedure as early as possible.

Additional Information:

1. Honor code statement: see <https://sccr.dso.ufl.edu/policies/student-honor-code-student-conduct-code/>
2. Students with Disabilities: see <https://disability.ufl.edu/>

3. Counseling and Health Care: see <https://counseling.ufl.edu/>

Note: This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.