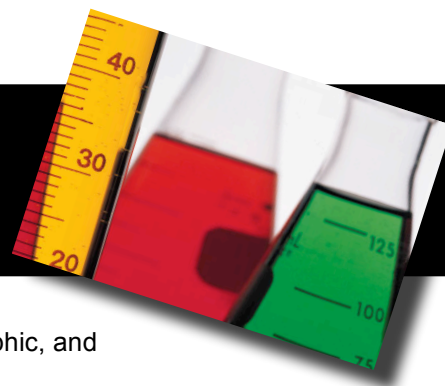


3210.01 QUANTITATIVE ANALYSIS

Dr. Gloria Thomas, Spring 2010



Catalog Description Theory and techniques of chemical analysis including evaluation of data, volumetric, potentiometric, chromatographic, and spectrophotometric methods.

Objective To provide exposure to the theory and practice in the techniques of analytical chemistry from a quantitative perspective, and to explore applications of measurement science to chemistry and related disciplines.

Meeting Times T, Th 9:25 am to 10:40 am NCF 115

Textbooks Analytical Chemistry, 6th Ed. Gary Christian, Wiley, 2003.
Quantitative Chemical Analysis, 7th ed. Dan Harris, Freeman, 2007

Prerequisites CHEM 1010/1010D/1011L - 1020/1020D/1021L.

Course Requirements Students are required to attend all lectures and be present for all quizzes. Students are required to take four hour exams and a comprehensive final exam. No makeup exams will be given. Students are also expected to attend the chemistry department seminars.

Exams 4 exams/100 pts each & Cumulative Final: 100 pts each (Final Exam: Sat, May 1 @ 1:10 pm) No make-up exams will be given. If a student misses an exam for any reason, then the final exam will count as 200 points. Students arriving late forfeit the missed time. No student will be allowed to take an exam after the first person has left the exam. Please review the department testing policy, located on Blackboard. Any grade challenges must be made within one week of the return of the graded exam.

Quizzes, Homework and Seminar Bonus • Each quiz is worth 10 pts and will be given at the start of class time. Students arriving late to class forfeit their quiz time. • Each homework assignment is worth 5 pts and is due at the start of the class period. Late homework will not be accepted. • Attendance at departmental seminars (Thursdays, 12:15 pm, NCF 105) is worth one bonus point towards the quiz grade. In order to receive credit, students must sign in at the beginning of seminar and turn in a short statement about the seminar at the next class period. Students arriving late will not receive credit. Please be early and respectful of guest speakers.

Grading

Exams	400 points	100 – 90%	A
Quizzes (est)	120 points	89 – 80%	B
Homework (est)	45 points	79 – 70%	C
Final	<u>100 points</u>	69 – 60%	D
	665 points	<60%	F

Course Ethics

If a student's test, examination paper, laboratory report, term paper, or other written assignment gives evidence of not being completely his/her own work, he may be given an F for the course. A student who communicates with anyone during the course of an examination or test, unless with the permission of the instructor, may be immediately dismissed from the room and given an F. Such communication includes attempts to read from another's paper. If a student is found to have brought study materials into the examination room despite the instructor's warning that such materials are prohibited, it may be assumed that he/she intended to use such materials unlawfully, and he/she may be penalized accordingly.

Dr. Gloria Thomas
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Office Hours
10 a – 12 p MWF
and by appointment

Exam Schedule

January 28
February 23
March 23
April 22