

CHEMISTRY 413A: INSTRUMENTAL ANALYSIS (Fall 2009)

Location: 121 BALDY
Time: T R, 9:30 AM - 10:50 AM
Instructor: Dr. Diana S. Aga
611 NSC; Tel. No. 645-4220; E-mail: dianaaga@buffalo.edu
Office Hours: Tues 11:00-12:00, Wed 1:30-2:30, or by Appointment
Textbook: Principles of Instrumental Analysis, 6th Edition
D. A. Skoog, F.J. Holler, and S.R. Crouch

GRADING SYSTEM:

2 In-class Exams (Sept 29, December 10)	50%
1 Take home Mid-Term Exam (October 27)	25%
Quizzes /Homework assignments (Total of 5)	25%

- **NO MAKE-UP exam** will be given unless a valid medical excuse is provided, or if a legitimate reason can be substantiated by other means.
- **NO MAKE UP QUIZ** will be given.
- Assignments will be counted as “quizzes” and must be turned in on time (**Late submissions will not be accepted**).
- **GRADES ARE NOT NEGOTIABLE**
- **APPROXIMATE GRADING SCALE: A: 90-100; B: 79-89; C: 69-78; D: 56-68; F: ≤ 55**

OVERVIEW OF PLANNED LECTURE TOPICS

COVERAGE OF FIRST EXAM

Chapter 5: Signals and Noise
Chapter 6-7: An Introduction to Spectroscopic Methods
Chapter 8-11: Atomic absorption, Emission, and Mass Spectrometry

COVERAGE OF SECOND EXAM (Mid-Term)

Chapter 13-18: Molecular Spectroscopy (Absorption, Fluorescence, IR, Raman)
Chapter 20: Molecular Mass Spectrometry

COVERAGE OF THIRD EXAM (Final Exam)

Chapter 26: Introduction to Chromatographic Separations
Chapter 27: Gas Chromatography
Chapter 28: Liquid Chromatography
Chapter 30: Capillary Electrophoresis

NOTES:

Academic misconduct will not be tolerated, and will result in a zero for the exam or quiz on a first offense. More serious consequences will result from subsequent infractions.

Class attendance and participation are expected in this course. I do not provide my lecture notes to students. It is the students' responsibility to secure notes from other students if they miss the class. No Make up quiz will be given.

Students with Special Needs: If you have a disability (physical, learning, or psychological) which may make it difficult for you to carry out the work as outlined, and/or, requires accommodations, please contact the Office of Disability Services, 25 Capen Hall, 645-2608, and also the instructor within the first two weeks of class. ODS will provide you with information and review appropriate arrangements for reasonable accommodations.