

QUANTITATIVE CHEMICAL ANALYSIS

Chemistry 221

MWF, 8:30 AM, 1015 McPherson Laboratory

Spring Quarter 2009

Lecturer: Philip Grandinetti (www.grandinetti.org/Contact)

Office: 0044B McPherson - (614) 292-6818

Office Hours: Monday, Wednesday 1:30-2:30 PM

Web Page: <http://www.grandinetti.org/Teaching/Chem221>

Lab Supervisor: Clay Harris (harris.594@osu.edu)

Office: 2035 McPherson - (614) 292-2576

Office Hours: by appointment

Teaching Assistants	Email	Office Hour	Office Hour	Location
Kaarina Lokko	lokko.1@osu.edu	Wed 2:30 pm	Fri 9:30 am	2035 McPherson
Rebecca Witherow	witherow.11@osu.edu	Wed 3:30 pm	Fri 10:30 am	2035 McPherson
Kevin Cassidy	cassidy.82@osu.edu	Wed 4:30 pm	Fri 10:00 am	2035 McPherson

Required Text: "Quantitative Chemical Analysis", Seventh Edition, Daniel C. Harris

Grading:

Laboratory	40%
Mid-term Exam	30%
Final Exam	30%

Syllabus:

Week	Lecture Topic(s)	Chapter(s)
1	Statistical Description of Data	1
2	Data Analysis	3-5
3	Chemical Equilibrium, Activity	6,8,9
4	Acid-Base Equilibria, Acid-Base Titrations	10-12
5	Electrochemistry	14,15

Midterm Exam - May 7th, Thursday, 6:00-8:00 pm - Room: TBA

6	Redox Titrations	16
7	Spectrophotometry	18,19
8	Spectrophotometry Instrumentation	20
9	Atomic and Mass Spectroscopy,	21,22
10	Separations, Chromatography	23-25

Final Exam - Monday, June 8, 7:30 am - 9:18 am - Room 1015 McPherson Lab

To have an exam question re-graded, turn in a written description of your concern no later than **one class period** after the exam was returned to you. Each exam in question will be re-graded in its entirety.

All students with documented disabilities, who need accommodations, should see the instructor privately to schedule an appointment as early in the quarter as possible. If your disability requires materials in alternative format, please contact the Office for Disability Services at 292-3307, Room 150 Pomerene Hall.

ACADEMIC MISCONDUCT: Any material submitted in Chem. 221 must represent your own work. Apparent violations of this standard will be referred to the University Committee of Academic Misconduct (COAM) as required by Faculty Rules. Please read the attached statement on Standards of Academic Conduct carefully. See the URL:

<http://oaa.osu.edu/coam/home.html>

for further information about the Student Code of Conduct.