84.314 Analytical Chemistry II
Instrumental Methods of Analysis

Instructor: Dr. David K. Ryan
Olney 318a
978-934-3698
David_Ryan@uml.edu
http://faculty.uml.edu/David_Ryan

Book: Quantitative Chemical Analysis, 8th edition, 2010 by Daniel Harris

Syllabus

Week #1  Introduction, Overview & Fundamentals
Week #2  Spectroscopy - Theory
Week #3  Spectroscopy - General Instrumentation
Week #4  Molecular Spectroscopy
Week #5  Atomic Spectroscopy, Exam #1
Week #6  Chromatography - Introduction
Week #7  Chromatography - Gas
Week #8  Chromatography - Liquid
Week #9  Chromatography - Other Techniques, Catch Up
Week #10 Electrochemistry - Introduction
Week #11 Potentiometric Methods, Exam #2
Week #12 Coulometric Methods
Week #13 Voltammetric Methods
Week #14 Other Instrumental Methods, Catch Up
Week #15 Review

Final Exam will be given at the time scheduled by the University unless an alternate time can be agreed upon by the class unanimously.