Instructor: Gabor Patonay, Room 590 Kell Hall, Phone: 404-413-5556, 
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No office hours set, students can come as needed

Textbooks: “Chromatographic Methods” by A. Braithwaite and F.J. Smith 
available in the bookstore and on-line.

Lecture Objectives: To learn basic principles governing separation techniques; to learn 
 fundamentals of chromatographic techniques; to learn to apply 
 basic principles that may help students develop a chromatographic 
 methods to achieve a particular separation/analyses of compounds, 
mixtures of compounds.

Course Content: Topics covered in the course will include fundamental 
relationships in chromatography (about 2.5 weeks); gas 
chromatography (4 weeks); liquid chromatography (5 weeks); 
thin-layer chromatography (3 weeks); hyphenated methods 
(1 week); ordered media in separations (1 week). Additional 
special topics on instruments or special separation methods 
will be covered as time permits.

Exams: There will be three (3) short exams (60 minutes) and one final 
exam (2.5 hours) on the dates outlined below. (Short exams are 
during regular class time.)

Short Exams: February 4, March 4, April 3, 2014
Final Exam: April 29, 2014, 10:45 a.m. – 1:15 pm

Course Grade: Lab Grade assigned by lab instructor: 40%
Final Exam: 30%
Short Exams: 30% total (10% each)

Problems: Assigned problems are given during the course of the semester. 
Several of these are posted on the chemistry website. These 
problems are not be turned in nor graded. It will be up to the 
student to complete these homework assignments. However it 
should be noted that some of the questions appearing on the 
exams will be based on questions taken from homework. 
Problems will be discussed in class before the tests.