Chemistry 446: ANALYTICAL SPECTROSCOPY
Fall 2014
Prof. Ramsey
Venable G311, Tues, Thurs., 11:00 – 12:15

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Office Hours: By appointment only

DESCRIPTION: Chemistry 446 is a 3-credit course designed for chemistry graduate students and advanced undergraduate chemistry majors.

PREREQUISITE: Chemistry 481 and 482

OBJECTIVE: The purpose of this course is to introduce the use of optical spectroscopic techniques for chemical analysis. The focus will be on spectroscopic techniques and basic fundamentals for understanding spectroscopic measurements. This course will concentrate on laser-based methods, laser technology, and signal processing.


GRADING: Grades will be determined on the basis of a midterm and a final exam (35% each) and in-class assignments which may include a term paper and short oral presentations (30%).

FINAL EXAM: TBD