Syllabus
Applied Electronic Structure Theory
Chemistry 395 (Undergraduate)
Chemistry 425 (Graduate)

Spring 2009

1. Instructor
Eric C. Brown, Ph.D.
Assistant Professor
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https://brown.chem.luc.edu/contact

2. Lecture
Life Science Building
Room 315
TuTh 7:00 p.m.-8:20 p.m.

3. Office Hours
TuTh 6:00 p.m.-7:00 p.m. or by appointment

4. Textbook and Materials

Textbook
Essentials of Computational Chemistry: Theories and Models
Second Edition
Christopher J. Cramer

Course Webpage
https://brown.chem.luc.edu/teaching

Computers and Software
A significant component of Applied Electronic Structure Theory is computational. Computers and Software will be made available on University Machines, but the student is free to install software on his/her personal computer as well. Examples of software packages used in this course are PC-GAMESS and Mathematica 7. Appropriate Operating Systems include Macintosh, Windows (XP or Vista), and/or Linux.

5. Grading
33% Two Midterm Exams
33% Out-of-Class Projects (approximately weekly)
33% Final Exam and Final Project

A 100 > x >= 95
A- 95 > x >= 90
e tc.
The Instructor reserves the right to apply a curve that improves the overall course average. *This right may or may not be exercised at the instructor's discretion.*

6. **Academic Dishonesty**

The penalty for academic dishonesty is a grade of "F" for the entire course.

7. **Course Prerequisites**

Students should have already taken Physical Chemistry II with an introduction to Quantum Mechanics. However, concurrent registration should be suitable provided that the student is diligent.

Lack of appropriate course prerequisites constitutes grounds for being administratively withdrawn from the course at any time.

8. **Fine Print**

This course is under the auspices of the College of Arts and Sciences and the Department of Chemistry. Information that is not provided on this syllabus (e.g., registration, drop dates, final examination schedule etc.) can be found in other materials such as the Course Catalog.