## SYLLABUS

Course:	CHEM 352L (Experimental Quantum Chemistry; 1 unit)	
Prerequisites:	CHEM 352	
Lecturer:	William Moran	
E-mail:	will.moran@csun.edu	
Laboratory:	Fri 1:00 – 3:50 pm. 3 hours / week of laboratory work in CS3306	
Content:	Chemical applications of thermodynamics and chemical kinetics	
Makeup experiments:	There is no additional time to rerun experiments.	
Web page:	http://www.csun.edu/~jeloranta/CHEM352L/	

## 1. Table of contents

1.	Excited-state properties of 2-naphthol: the acidity constants (part I)	
2.	Excited-state properties of 2-naphthol: deprotonation/protonation	
	rate constants (part II)	
3.	Dynamic NMR spectroscopy	
4.	Gas phase IR spectroscopy (HCl)	
5.	IR/Raman spectroscopy and molecular modeling	

## 2. Grading

A tentative grading scale is as follows:

Grade	Exam score
А	90-100 points
В	75-90 points
С	65-75 points
D	50-65 points
F	< 50 points

The overall grade is taken as an average of the individual laboratory experiments.

## 3. Academic dishonesty

By enrolling in this class, you agree to abide by all California State University, Northridge policies of academic honesty and integrity. Students violating these standards will receive a zero for the work in question and will have their case referred to the Student Affairs Office for appropriate disciplinary action. See pages 586-589 of the 2008-2010 California State University, Northridge catalog for details of the University policies.