

## SYLLABUS

Course:	CHEM 351L (Experimental Chemical Thermodynamics; 1 unit)
Prerequisites:	CHEM 351
Lecturers (E-mail; office):	Dr. Kayla Kaiser (kayla.kaiser@csun.edu)
Laboratory:	Fri 09:00 – 11:50 am. 3 hours / week of laboratory work in CS3306
Content:	Chemical applications of thermodynamics and chemical kinetics
Deadlines:	The last day to turn in reports is the last day of classes.
Makeup experiments:	There is no additional time to rerun experiments.
Web page:	<a href="http://www.csun.edu/~jeloranta/CHEM351L/">http://www.csun.edu/~jeloranta/CHEM351L/</a>

### 1. Table of contents

1. Adiabatic bomb calorimeter
2. Kinetics of a reversible, first-order, consecutive reaction
3. Cyclic Voltammetry
4. Conductivity of electrolyte solutions
5. Phase diagram for a three-component system
6. Vapor pressure of a pure liquid

### 2. Grading

A tentative grading scale is as follows:

<u>Grade</u>	<u>Exam score</u>
A	90 – 100 points
B	75 – 90 points
C	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.