This course provides an introduction to the basic ideas ("laws") of thermodynamics, with applications to heats of reaction, chemical equilibrium, phase behavior, and liquid solutions

INSTRUCTOR: Professor William M. Gelbart, 3047 Young Hall, gelbart@chem.ucla.edu
TEACHING ASSISTANTS: Odisse Azizgolshani, Mauricio Comas, Li Tai Fang, Rees Garmann

CLASS MEETINGS: 
Lecture Section 1 – M,T,W,Th,F 9-9:50 am, Young Hall 2200
Lecture Section 2 – M,T,W,Th,F 12-12:50 pm, Young Hall 2200

Note that all 5 days of the week should be reserved by you for this class:
Lectures will generally be held on M, W and F (with exceptions announced at least 1-2 weeks in advance), discussion sections on T, and Tutorials on Th.
For example, a Monday lecture might be exchanged with a Tuesday discussion section, or a Friday lecture might be exchanged with a Thursday tutorial, etc., but these changes will always be announced at least 1-2 weeks beforehand.
Holidays: Wednesday November 11, and Thursday/Friday November 26/27

TEXTBOOK: Thermodynamics, Statistical Mechanics, & Kinetics, 2nd edition, T. Engel and P. Reid:
Note that the 1st edition is also OK to use, instead of the 2nd edition.
We will cover the first 10 chapters of the book, covering about one chapter per week.

REQUIREMENTS, AND GRADING POLICIES:
Homework problems (10% of final grade): Problems will be assigned and handed in each Monday at the start of the lecture, and graded on a +/- basis; solutions will not be made available – instead we want to discuss the problems directly with you in the Tuesday and Thursday meetings, and in our many office hours.
“Midterm”/”hour” exams (45% of final grade): Tuesday, October 20 (20%) and Friday, November 13 (25%);
each of these exams will be scheduled at 5pm in 1178 Franz and you can stay up to 7pm to finish working the problems, which are designed to take as little as 1 hour.
Final exam (45%): Monday, December 7, 3-6pm (Section 1) and 11:30am-2:30pm (Section 2)
Note that no make-up exams will be given; if you miss a mid-term with an excused absence, you’ll be assigned a grade for it based on your performance on the other mid-term; you cannot complete the course without taking the final.

GENERAL INFORMATION, AND THE “SPIRIT” OF THE COURSE:
*Please check daily the course website, to be updated on everything:
  homework assignments, supplementary materials, announcements about when a discussion section or tutorial session will be exchanged with a lecture, contact information for each of the teaching assistants, and so on.
*Office hours will be also posted at the website: you will have more than 10 office hours to choose from – go to as many office hours as you can, with as many questions as possible!
*Please read the textbook material in advance so that you can interrupt the lectures with questions.
*And, even though the homework problems are not really graded, and comprise only 10% of the grade, they are overwhelmingly the most important way in which you will be learning this material, especially if you make a point of working on them as much as you can on your own and then talking to us about them for hours each week.
Lecture notes will be posted on the web either before or immediately after each lecture. There will be no need to take notes during classes.

Course Website:
http://ltfang.bol.ucla.edu/chem110a