

## CHEMISTRY 342 - Fall, 2001

### PHYSICAL CHEMISTRY I

**Lecturer:** Prof. Robert Gordon, 4242 SES, 996-3260, [rjgordon@uic.edu](mailto:rjgordon@uic.edu)  
**Office hours:** Tuesday and Wednesday, 12-1  
<http://www.chem.uic.edu/rjgordon/>

**Graders:** The graders for this course are:  
Until Oct. 10: Ms. Sujatha Unny, [sunny1@icarus.cc.uic.edu](mailto:sunny1@icarus.cc.uic.edu);  
After Oct. 10: Mr. Yan Du, [ydu1@uic.edu](mailto:ydu1@uic.edu);  
Office hours: Monday and Thursday, 11-12, 4230 SES

**Textbook:** P. Atkins, *Physical Chemistry*, 6th Edition, Freeman, 1998. This course will cover the first nine and a half chapters of the book.

**Prerequisites:** 10 semester hours of calculus and one year of physics.

**Lectures:** There will normally be four lectures per week: Monday, Wednesday, and Friday 2:00-2:50 in 317 Bernham Hall, and Friday 3:00-3:50 also in 317 Bernham Hall. The second Friday lecture will focus on problem solving, and students are encouraged to suggest problems for discussion. New material may also be presented in the second Friday lecture. The subject matter of each lecture and the corresponding pages in the textbook are listed in the calendar. Note that there will be no lectures on Wednesday Sept. 19, Oct. 3, and Oct. 10. Instead there will be a double lecture on the following Fridays.

Students with disabilities who require accommodations for access and participation in this course must be registered with the Office of Disability Services, which may be reached at (312) 413-2103 (voice) or (312) 413-0123 (TTY).

**Homework:** A problem set will be assigned approximately once every week, and will be due one week later. Approximately half of the problems will be graded, and solutions will be distributed with the returned papers. An effort will be made to return the graded papers at next lecture. Consequently, late papers will not be accepted.

**Exams:** There will be two hour exams during the semester. The first hour exam will cover chapters 1-3, which deal with the properties of gases and the First Law. It will be held on **Monday, Sept. 24**. The second hour exam will cover chapters 4-6, which deal with the Second Law and phase transitions. It is scheduled for **Monday, Nov. 5**. The final will cover chapters 1-9 and part of chapter 10, the last three of which deal with mixtures, phase diagrams, and equilibrium. It will be held on **Tuesday, December 4 1-3 pm, in 317 Bernham Hall**

**Grades:** The grade for the course will be calculated as follows:

Final	300 points
Hour exams	200 points
Problem sets	100 points

If a student misses an hour exam but can provide a justifiable reason for his or her absence, the grade for the missed exam will not be included in the course average. Makeup exams will not be given. Incompletes will be given only for serious and documented reasons, such as illness and family emergencies.