Fall 9-1-2000

CHEM 371.01: Physical Chemistry I

Sherri Arrieta

The University Of Montana

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Chemistry 371
A systematic treatment of the laws and theories relating to chemical phenomena.
Autumn 2000  MWF 8:10-9:00 am CP102

Instructor: Sherri Arrieta  Office: CP 006  Contact: Phone: 243-4163
e-mail: arrieta@selway.umt.edu

Required Textbook: Physical Chemistry by George Woodbury

Office Hours: MWF 9-10
You are welcome to stop in with questions at anytime, except Tuesdays.
The above office hours simply guarantee that I will be there.

Prerequisites: Chem 162, Math 251 (Calculus III), Phys 122 or 221, CS 101 or 172.
Mathematics is the foundation of physical chemistry. I strongly recommend you have an
adequate background in mathematics (as required above) before enrolling in this course.

Homework: I believe it is absolutely necessary to work problems in order to learn chemical
concepts and highly recommend you complete, at least, all the problems within the text
as you read the chapters, Doing this will make points more valid and keep you awake
(which is a most important step in the learning process). As we cover the text I will also
suggest other problems to help focus your studies.

Help Sessions: ?

Examinations: There will be three one-hour, in-class exams during the semester. Each of these
exams covers approximately three chapters and will be given on Fridays with a
review/help session the night before (see calendar). The class will conclude with a final exam on Wednesday, December 20, which will be comprehensive but emphasize (60-70%) material covered after the third exam. It is likely that I will be at a conference Dec. 15-19. We can schedule a review session sometime on Dec. 19, but I will not be available before then.

Possible Points:

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams (100 points x 3 exams)</td>
<td>300</td>
</tr>
<tr>
<td>Final</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>500 total points possible</td>
</tr>
</tbody>
</table>
# Chemistry 371
## Autumn 2000

### September:
- **6**  
  Wed.  *Chapter 1. Preliminaries.*
- **8**  
  Fri.
- **11**  
- **13**  
  Wed.
- **15**  
  Fri.
- **18**  
  Mon.
- **20**  
- **22**  
  Fri.
- **25**  
  Mon.
- **27**  
  Wed.
- **29**  
  Fri.

### October:
- **2**  
- **4**  
  Wed.
- **6**  
  Fri.  *Exam 1. Chapters 1-4*  
  Review session: Thurs. 7-9 pm
- **9**  
- **11**  
  Wed.
- **13**  
  Fri.
- **16**  
- **18**  
  Wed.
- **20**  
  Fri.
- **23**  
- **25**  
  Wed.
- **27**  
  Fri.
- **30**  

### November:
- **1**  
  Wed.
- **3**  
  Fri.  *Exam 2. Chapters 5-7*  
  Review session: Thurs. 7-9 pm
- **6**  
  Mon.  *Chapter 9. Phase Equilibria with Solutions I.*
- **8**  
  Wed.
- **10**  
  Fri.  No Class- Veteran’s Day
- **13**  
  Mon.
- **15**  
- **17**  
  Fri.
- **20**  
  Mon.
- **22**  
  Wed.  No Class- Thanksgiving Break
- **24**  
  Fri.  No Class- Thanksgiving Break
- **27**  
  Mon.  *Chapter 11. Phase Equilibria with Solutions II.*
- **29**  
  Wed.

### December:
- **1**  
  Fri.  *Exam 3. Chapters 8-10*  
  Review session: Thurs. 7-9 pm
- **4**  
- **6**  
  Wed.
- **8**  
  Fri.
- **11**  
  Mon.  *Chapter 13. Thermodynamics of Surfaces.*
- **13**  
  Wed.
- **15**  
  Fri.

**Final Exam:** Wednesday, December 20 8:10 am- 10:10 am