

Physical Chemistry (Chem 132A)



Thermodynamics and Chemical Kinetics

MWF 11:00Am—11:50Am

John C. Hemminger
Rowland Hall 334B
Office hours M 1—2Pm



Shane Flynn
swflynn@uci.edu
Discussions:
T 11-12
T 1-2
Th 12-1
F 10-11

Moises Romero
moiseser@uci.edu
Discussions:
W 12-1
W 1-2
W 2-3
F 1-2

COURSE WEBSITE



<https://canvas.eee.uci.edu/courses/6058>

Github website generated by Shane Flynn

https://github.com/swflynn/Teaching_UCI/tree/master/Chem132_A_2017

DISCUSSION SECTIONS



Discussion sections begin next week

W 12:00-12:50p PSCB 230

W 2:00- 2:50p RH 188

Tu 1:00- 1:50p RH 188

Tu 11:00-11:50 ICF 101

W 1:00- 1:50p RH 188

Th 12:00-12:50p PSCB 240

F 1:00- 1:50p SSL 145

F 10:00-10:50 SSPA 117

YOU SHOULD BE ENROLLED IN ONE OF THESE SECTIONS



Textbook:

We will use *Physical Chemistry: Thermodynamics, Structure, and Change*, 10th Edition, by Peter Atkins and Julio de Paula as the text material in this course. The book is available through the UCI bookstore or through online bookstores. Online homework will be assigned via *WebAssign*. The UCI bookstore will have a package that includes the textbook and WebAssign (*Physical Chemistry 10E by Atkins & Standard WebAssign (12 months access) for Physical Chemistry*).

You **might** potentially save some money by buying an earlier edition of the text, and separately buying access to Webassign (

<https://www.webassign.net/features/textbooks/atpchem 10/details.html>)

The homework is required so you must have a WebAssign account

Once you have purchased WebAssign you need to enroll in WebAssign for our course. Chem 132A Section A **The Class Key you will need is: uci 5200 5116**

ISSUES WITH WEBASSIGN



Some of you had problems registering with WebAssign (apparently there was an error message that your code was not valid).

**I have been told that this has now been fixed.
(thanks to those of you who sent information to WebAssign to help sort this out).**

If you still have problems registering with WebAssign, please send an email to Taufiki Lee (WebAssignTeam@cengage.com) Include the code you used to try to register AND INCLUDE A SCREENSHOT THAT SHOWS THE ERROR MESSAGE.

WebAssignTeam@cengage.com

Discussion Sections (not mandatory)



Shane and Moises will make up an extra problem each week that will be discussed in the Discussion Sections.

You should try to work out the problem BEFORE you come to the discussion section.

These problems will not be graded.

However, Shane and Moises will also make up EXAM QUESTIONS (in addition to mine). So paying attention to these discussion questions would be a VERY SMART THING TO DO.

HOMEWORK, EXAMS



HOMEWORK: 5% of grade WebAssign
Some of you had trouble signing up for WebAssign.
These problems should have been corrected.

EXAMS:

Midterm 1: Wednesday, October 25 (20% of grade)

Midterm 2: Wednesday, November 22 (20% of grade)

Final Friday, December 15, 8Am—10:00Am

(Final will be 55% of grade)

THERE WILL BE NO MAKE-UP EXAMS

A valid excuse (in writing) will be required to avoid a score of zero if you miss an exam.



Schedule:

Week	Dates	Topics	Readings
0	Before Sept 28	The Properties of Gases	Chapter 1 A, B, C
1	October 1-7	The First Law of Thermodynamics	Chapter 2
2	October 8-14	The First and Second Laws	Chapter 2, 3
3	Oct 15-Oct 21	Third Law; Physical Transformations	Chapter 3, 4
4	October 22-28	Physical Transformations; Mixtures	Chapter 4, 5
Midterm 1 (Chapters 1-4, 5A), Wednesday, October 25			
5	Oct. 29-Nov. 4	Mixtures; Chemical Equilibrium	Chapter 5, 6
6	Nov. 5-11	Chemical Equilibrium	Chapter 6
7	Nov. 12-18	Molecular Motion	Chapter 19
8	Nov. 19-25	Molecular Motion	Chapter 19
Midterm 2 (Chapters 1-6, 19), November 22			
9	Nov. 26-Dec. 2	Chemical Kinetics	Chapter 20
10	Dec. 3-Dec. 9	Chemical Kinetics, Collision Theory	Chapter 20, 21A
Final Exam (Chapters 1-6, 19, 20, 21A), Friday, Dec. 15, 8:00Am-10:00Am			

Chapter 1 is background material that I will assume you understand.

THE END



SEE YOU MONDAY