

CHEMISTRY 162

Tony St John, PhD | tony.stjohn@skagit.edu | 360.416.4958 | Office: A-206

Class Times - A-129

Tuesday - Friday

9:30 or 11:30 Lecture

Office Hours

Tuesday - Friday 10:30 - 11:30

and Wednesday 1:00 - 2:00

Or by appointment!

I am always happy to meet with you at different times!

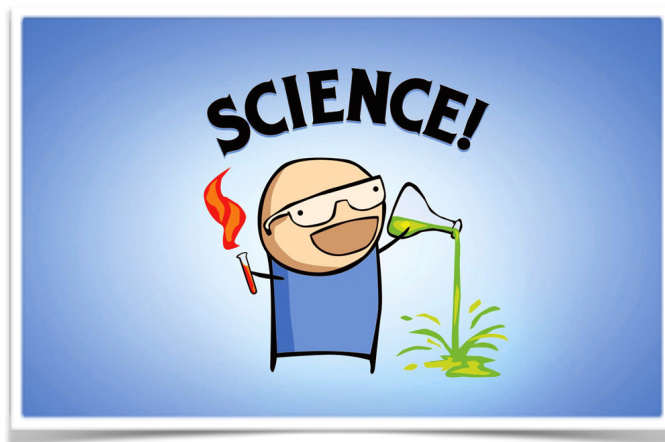
Required Materials

Chemistry Textbook or eBook
(Burdge, Atoms First, 3rd)

Access to ALEKS online

Laboratory goggles

Calculator



Welcome to Chemistry 162!

After completing this course, you will be able to...

Calculate the enthalpy of reaction and explain its meaning. Solve problems using the individual gas laws and the ideal gas law.

Explain intermolecular forces and their relationship to phase changes. Calculate solution concentration and explain how it relates to colligative properties. Write the equilibrium expression for a reaction and use it to perform equilibrium calculations. We will be covering chapters 10 through 15 in our textbook. Such fun!

The majority of the points in this class will be from in-class quizzes and exams. The dates of these events are set in stone and will not change. If you have a conflict, please let me know ASAP!

Quiz 1 - Friday, January 12

Exam 1 - Friday, January 26

Quiz 2 - Friday, February 9

Exam 2 - Friday, February 23

Final Exam - 9:30 Lecture - Tuesday, March 13

Final Exam - 11:30 Lecture - Monday, March 12

Points

Two 50-pt quizzes (100 pts)

Two 100-pt exams (200 pts)

One 150-pt final (150 pts)

ALEKS HW (100 pts)

Total Lab Points (120 pts)

Total class points: (670)

Grades

A 100 - 93%

A- 92.9 - 90%

B+ 89.9 - 87%

B 86.9 - 83%

B- 82.9 - 80%

C+ 79.9 - 77%

C 76.9 - 73%

C- 72.9 - 70%

D+ 69.9 - 67%

D 66.9 - 60%

E below 60%

Policies

If you are unable to attend an exam, quiz, or laboratory please contact me as soon as possible to set up an alternative arrangement. I will make every effort to accommodate all reasonable requests.

I will not accept any late work or drop any assignments.

Course Website

Course materials such as lecture handouts, exam keys, lab manuals and video links will be posted on Canvas. I will generally send out an email notifying you of posted materials.

Laboratory

There will be an in-lab component of this class that will meet once a week. Lab attendance is mandatory. Two unexcused absences will result in automatic failure of the course. Proper lab attire and safety goggles are also required. Simply put, you should not be able to see any bare skin besides your head and arms.

ALEKS

In this course we will be utilizing a new HW system called ALEKS. This system is designed to not just test your knowledge, but to tutor you and help you identify the concepts that you are struggling with. Think of it as an online robot tutor!

Lecture Attendance

While attending lecture is not required, it would be silly not to come. When you are in lecture I ask that you be generally courteous. Resist the urge to be rude or distracting!

Disability Statement

If you are a student with a disability and may need a classroom accommodation, contact Disability Access Services in the Counseling and Careers Services Office, or call 360-416-7654.

Academic Honesty

All students of Skagit Valley College are responsible for knowing and adhering to the Academic Honor Code of this institution found at <http://www.skagit.edu/honorcode>. Violations of this code include: cheating, plagiarism, aid of academic dishonesty, fabrication, lying, bribery, and threatening behavior. All incidents of academic misconduct are reported to the student conduct officer. Students found to be in violation of the Academic Honor Code are subject to academic consequence up to and including failure of the course. Students may also be subject to disciplinary sanctions up to and including expulsion from the College.

Date	Reading Assignment	Handout/Quiz/Exam #	Lab	ALEKS (Due Sunday)
3-Jan	Review Ch. 9	1	No Lab	
4-Jan	Review Ch. 9	2	No Lab	
5-Jan	10.1 - 10.3	3		Pre-Req Review
9-Jan	10.3 - 10.4	4	1	
10-Jan	10.4	5	1	
11-Jan	10.5 - 10.6	6	1	
12-Jan		Quiz 1		Ch 10 Part A + Check
16-Jan	10.7 - 10.8	7	2	
17-Jan	11.1 - 11.2	8	2	
18-Jan	11.3 - 11.4	9	2	
19-Jan	11.5	10		Ch 10 Part B
23-Jan	11.6 - 11.7	11	3	
24-Jan	11.8	12	3	
25-Jan	Review Day	13	3	
26-Jan		Exam 1		Ch 11 + Check
30-Jan	12.1 - 12.2	14	4	
31-Jan	12.3 - 12.4	15	4	
1-Feb	12.5	16	4	
2-Feb	12.5 - 12.6	17		Ch 12 Part A
6-Feb	12.5 Review	18	5	
7-Feb	13.1 - 13.2	19	5	
8-Feb	13.3 - 13.4	20	5	
9-Feb		Quiz 2		Ch 12 Part B + Check
13-Feb	13.5	21	6	
14-Feb	13.6	22	6	
15-Feb	14.1 - 14.2	23	6	
16-Feb	14.3 - 14.4	24		Ch 13
20-Feb	14.5	25	7	
21-Feb	14.6	26	7	
22-Feb	Review Day	27	7	
23-Feb		Exam 2		Ch 14 + Check
27-Feb	15.1 - 15.2	28	8	
28-Feb	15.3	29	8	
1-Mar	15.4	30	8	
2-Mar	15.5	31		Ch 15 Part A
6-Mar	15.5	32	No Lab	
7-Mar	15.6	33	No Lab	
8-Mar	Group Practice	34	No Lab	
9-Mar	Review Day	35		Ch 15 Part B + Check
12-Mar		11:30 Lecture FINAL		
13-Mar		9:30 Lecture FINAL		