

North Seattle Community College

Winter 2010

## Chemistry 162

**Instructor:** Justine Furutani

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Office hour: by appointment

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### Course meeting times:

section 01: MTWTh 8:00-9:50 in AS 1614 on MWTh and in AS 1519 on T

section 03: MTWTh, 10:00 - 11:50 in AS 1519

**Text:** *Chemistry* by Silberberg, 5<sup>th</sup> ed.

### Other required materials:

- Goggles (not safety glasses)
- Scientific calculator
- Lab notebook (sewn binding, not stapled or glued)
- Lab coat or apron (optional)

**Purpose:** This course is the second quarter of a three-quarter general chemistry sequence. Topics include chemical bonding, molecular shape, covalent bonding theories, intermolecular forces, solutions, periodic trends, organic compounds, and kinetics. These topics are contained in Chapters 9-16 of the text.

**Prerequisites:** Math 098 and Chemistry 161 with a 2.0 or better. These prerequisites are critical for your success in this class. Due to the complexity of the reading, English 101 is *strongly* recommended.

<b>Grading:</b>	Exams 3 at 50 pts each	150
	Labs 8 (drop 1) at 25 points each	175
	Activities 8 at 15 pts each	120
	Homework 8 at 20 pts each	160
	<b>Final Exam</b> 100 pts	<b>100</b>
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Total	705 pts	

Grades will be assigned as follows:

4.0 95%      3.0 85%      2.0 75%      1.0 65%

A 1% drop corresponds to a 0.1 drop in grade. The lowest passing grade is 0.7 at 62%. The grade 0.0 will be assigned to all lower percents.

**Homework:** Most assigned problems will have answers in the back of the text for self-check. Late work: up to one week, 50% credit; up to two weeks, 20% credit; after two weeks, 0% credit. Problems should be written in the order listed in the assignment, with work shown.

**Activities:** These are collaborative assignments for 3 to 4 students, downloaded from my website. In the interest of saving some class time, work them out before the collaboration date, when you will compare your answers and come to agreement on the answers your group will turn in. Submit your answers on the form, showing work.

**Assignments:** The pages should be neatly stacked in the proper order and stapled. Do not staple two or more assignments together.

**Exams:** The exams are 50 minutes long. These items represent individual learning, so no collaboration is allowed. Sharing of books, notes, calculators or other materials are **not** allowed during exams.

**Lab Reports:** Submit duplicates of the appropriate pages of your notebook. If you have a duplicate notebook, remove the duplicate pages (NOT the originals) and submit them. If you have a composition notebook, submit photocopies of the lab pages. In either case, make sure the copy you submit is legible and shows the entire page. Any materials taped into the notebook, such as graphs, should be taped in, then photocopied. Each student generates his or her own graphs.

**Cheating:** Don't. Cheaters earn a zero for the assignment. It also means I would be unable to write a favorable recommendation letter for you in the future.

**Attendance:** I will take attendance only at the start of the quarter, but it is imperative that you come to each meeting. If you miss class, contact a reliable fellow student to determine what you've missed.

**Preparing for class:** Obviously you would not be able to do this the first day, but for the rest of the quarter, you should read the appropriate material in the text before lecture. In lecture I may skip over some points, assuming you picked them up while reading. You are responsible for all material in the chapters we cover unless I specifically tell you otherwise. I may also include some material that is not in the text.

**Students with disabilities** who believe that they may need accommodations in this class are encouraged to contact Disability Services as soon as possible to ensure that such accommodations are implemented in a timely fashion. You may make an appointment with Disability Services by calling 527-3697 or stopping by the DS office on the 2nd floor of the Campus Center.

**Chemical sensitivities:** Due to the increasing numbers of individuals developing chemical sensitivities and the increasing awareness of such conditions, everyone who attends this class is asked to refrain from wearing any fragrance or perfume. The greatest

feasible efforts will also be taken to ensure a fresh air environment free of not only the above-mentioned fragrances but also potentially harmful substances such as carbon monoxide, formaldehyde, carpet odor, organic solvents, etc. Individuals who are unsure of the importance of this policy should see the Dean for additional information.

**Electronic devices:** These have become a problem in the classroom recently. The ringing or beeping of such devices disrupts class, particularly during exams. Show respect for your fellow students and your instructor by turning them off when in class.

**Dates to remember:**

Last day to drop course without a W	January 15
Last day to drop course	February 26
Last day of quarter	March 24
Final Exam	
section 01:	Tuesday March 23 at 8-10 am
section 03:	Monday March 22 at 10:30-12:30