Chemistry 161

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Office hour: by appointment
Website: http://facweb.northseattle.edu/jfurutani/161/
ANGEL website: http://northseattle.angellearning.com
WileyPLUS website: http://www.wileyplus.com

Course meeting times:
Section 01: MTWTh, 8:00 - 9:50 in AS 1519 on MW and AS 1627 on TTh
Section 08: MW 6:00 – 9:50 pm in AS 1519

Text: Chemistry: Matter and Its Changes by Brady and Senese, 5th ed. Also WileyPLUS access code is required

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 first quarter of a three-quarter general chemistry sequence. Topics include redox reactions; thermodynamics; electronic structure of atoms; chemical bonding; and gases. These topics are contained in Chapters 5-10 of the book.

Prerequisites: Math 098 and Chemistry 139 are prerequisites for this course; these prerequisites are critical for your success in this class. Due to the complexity of the reading, English 101 is strongly recommended.

Grading:
Safety Quiz 5
ANGEL Check-in 5
WileyPlus Check-in 5
Homework 6 at 20 pts each 120
Activities 6 at 10 pts each 60
Labs 8 (drop 1) at 20 pts each 140
Midterms 2 at 75 pts each 150
Presentation 50
Lab Quiz 15
Grades will be assigned as follows:

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<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>4.0</td>
<td>95%</td>
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<tr>
<td>3.0</td>
<td>85%</td>
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<tr>
<td>2.0</td>
<td>75%</td>
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<tr>
<td>1.0</td>
<td>65%</td>
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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:** 75% online, 25% on paper.

**Activities:** These are collaborative assignments for 3 to 4 students. In the interest of saving some class time, work them out before the collaboration date, when you will compare results and come to agreement on the answers your group will turn in. Submit your answers on the form, showing work. Students who miss class on an activity day may do the assignment individually. Your name should be on exactly one paper for each activity. Otherwise, you will receive the lowest of the scores.

**Assignments:** Problems should be written in the order listed in the assignment, with work shown. Leave a margin on the left, this is where I make notations. The pages should be neatly stacked in the proper order and stapled. Do not write where the staple will be! Do not staple two or more assignments together. Please remember to write your first and last names.

**Midterms:** The exams are 60 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. Exams cannot, in general, be made up.

**Lab Reports:** These will vary as you build skills. The usual report is a duplicate 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. Instances of cheating are reported and may result in disciplinary actions by the college.

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.

Dates to remember:
- Last day to add: October 8
- Last day to drop course: November 19
- Last day of Fall Quarter: December 16
- Final Exam section 01: Tuesday Dec. 14, 8-10 am in AS 1627
  section 08: Wednesday Dec. 15, 6-8 pm in AS 1519

Students with disabilities who believe that they 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.