Greetings & Welcome to Chem 108 sec. 2373 Introductory Chemistry

http://chemconnections.org/general/chem108/



Dr. Ron Rusay
E-mail: rrusay@chemconnections.org (preferred) or rrusay@dvc.edu

Office Hours (PS 235): MW 11:00 – 12:30; Tuesday, Thursday, Friday by appointment, daily e-mail with replies usually within 24 hours.

Discussion/Lab: 2:00-4:50 W (PS 221)

Chem 108

http://chemconnections.org/general/chem108/108syl17f.html



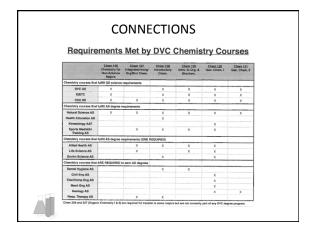
- Please sign the roster next to your name on the clipboard that is circulating.
- If you are not listed, or here to add Chem 108, clearly print your name, DVC id & e-mail address on the second page of clipboard.
- Pick up a hard copy of the course syllabus on leaving class today.

CONNECTIONS Chemistry, STEM & Applications

Why CHEM 108?

- A. Required course needed to meet my higher education goals. I have to take it.
- B. Chemistry is very easy to me and I need the 4 credit A to boost my GPA.
- C. I am very interested in science and chemistry.
- D. I'm not sure.

Show of hands; (i-clickers to be used next meeting.)





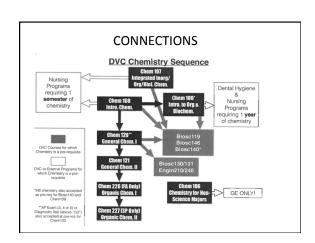
CONNECTIONS Chemistry, STEM & Applications

My plans after Chem 108:

- A. I plan to take *General Chemistry*: (If @ DVC: Chem 120)
- B. I plan to take *Integrated Inorganic, Organic, and Biological Chemistry:* (If @ DVC: Chem 107)
- C. I plan to take *Introduction to Organic and Biochemistry:* (If @ DVC: Chem 109).
- D. I *DO NOT* plan to take any other Chemistry courses after Chem 108.



Show of hands; (i-clickers to be used next meeting.)



Chem 108: Class/Lab

http://chemconnections.org/general/chem108/108syl17f.html



Please read carefully.

Chem 108

http://chemconnections.org/general/chem108/108syl17f.html

Resources: (REQUIRED/MUST HAVE)

- Chem 108 Lab Manual (Available in the DVC Bookstore: \$17.95)
 Webassign Class Key: dvc 7642 7360 provides access to all of the Webassign resources through your account, which includes An Introduction to Chemistry e-book with associated questions and supporting resources (\$41.00) DVC \$56.70 (?) (Hard copies of An Introduction to Chemistry, Atoms First ISBN978-0-9778105 can be purchased @ \$74.45.)
- i<cli>clicker: The older version is acceptable, as well as the newer
 and i-clicker+ versions (\$5.00-\$40.00 on-line & DVC); Iclicker
 Reef Access Card for smartphone (\$16.20)
- Reef Access Card for smartphone (\$16.20)
 4. Personal e-mail account. (DVC/CCCCD "Insite" account not recommended, but ok.)
- 5. Notebook: 3 ring recommended
- 6. Access to the Internet (Can be limited, such as only on the DVC Campus or at free WiFi hotspots)
- Lab safety glasses with side shields or goggles on sale by DVC Chem Club



Chem 108

http://chemconnections.org/general/chem108/108assign.html

Resources:
Reading /
Active Vocabulary/
Guiding
Questions /
Simulations &
Molecular
Modeling

	Textbook: Related Reading	CHEMISTRY LibreTexts	Unite Exame Duration & Homework	Active Vocabulary (Minimum)
Chapter 1)	L.I. What Is Chemistry, and What Can Chemistry Do for You? 1.3: The Scientific Method 1.4: Measurement and Units 1.5: Reporting Values from Measurements	1.3: What is Chemistry? 1.3: The Scientific Method 1.4: Measurement and Union 1.5: Reporting Village from Measurements	Unit Is Exam I Week #1.4 Bossooth WEBASSIGN Assignment #1.	1. Absolute Zam. 2. Avenue) 2. Avenue) 2. Avenue) 2. Avenue) 2. Avenue) 2. Apple partie of 2. Apple partie of 2. Apple partie of 2. Apple partie 3. Apple partie 3. Apple partie 4. Apple partie 5. Apple of 6. Characteristic
Chapter 2:	2.1: Usit Directsional/Analysis 2.2: Resinding and Significant Figures 2.3: Density and Density Calculations 2.4: Preventage Calculations 2.5: A Summary of the Unit Analysis Process	2.1- Unit (Dimensional Analysis) 2.2- Resorting and Statistical Floors 2.3- Density and Density Calculations 2.4- Percentage and Proceedings Calculations		
10/1	3.3: Solids, Liquids, and Gases	3.3 Solids Unpids, and Gasts 3.2-3.5: Chemical Elements		

Libretext aka ChemWiki



Chem 108

http://chemconnections.org/general/chem108/108syl17f.html

Grading:

- i-clicker questions/in-class participation + answers to on-line Guiding Questions + on-line simulations /quizzes are valued at 10% of the TOTAL grade.
- Webassign completed work is valued at 10% of the TOTAL grade.
- Laboratory experiments, activities, pre- & post-lab questions, worksheets and simulations are valued at 25% of the TOTAL grade.
- 4. 3 exams, and a final exam, which equal two hour exams in value, comprise 55% of the TOTAL grade.

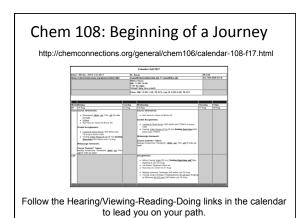
Chem 108

http://chemconnections.org/general/chem108/108syl17f.html

Tentative Exam Dates: 9/18, 10/30, 12/4 Final Exam: TBA. . [Cell phones will not be allowed during exams and quizzes.]

Final letter grades will be assigned based on an overall average in the following ranges: 87-100 A; 75-86 B; 60-74 C; 50-59 D; <50 F, using normalized class averages

NOTE: The DVC Code of Conduct will be strictly enforced. Cheating and plagiarism are unacceptable and will unconditionally result in a failing grade SEE: DVC Academic College Policies



Chem 108

Refer to the course calendar page frequently. The current week's calendar is set the beginning of the week, and is then static. Plan by week. Execute day-by-day. Meet all due dates!!

- Before coming to each class/lab meeting: Hear/Read, View & Do the scheduled activity links: Videos, Powerpoint Class Slides, Notes, Worksheets, Simulations, etc.
- Answer all on-line Guiding Questions.
 Review and consider logical answers & explanations for the embedded Powerpoint i-clicker questions, then refer to the correct answers which are presented in class. Bring any questions for discussion to the class meetings.
- 4. Complete WEBASSIGN Homework, all lab assignments, activities & worksheets.
- Individually and collaboratively use all available resources to develop a sufficient level of mastery of the class/lab vocabulary, problems and topics to understand the chemistry / science and be able to explain concepts clearly to someone else.

