

## Syllabus for Chemistry 60, Winter 2018

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Office Hours: by appointment

### **Required Materials**

- *Calculations in Chemistry*, Dahm, Donald J. and Nelson, Eric A., W.W. Norton, ©2013. ISBN-13: 978-0-393-91286-9
- *Laboratory Manual for Chemistry 60/68*, Department of Chemistry, Los Angeles Valley College, ©2017. Download from: [http://www.ars-chemia.net/Classes/68/Manual/68\\_manual\\_index.htm](http://www.ars-chemia.net/Classes/68/Manual/68_manual_index.htm)
- Spiral notebook (for working problems in the book)
- 3" x 5" index cards (2 packs of 100 in multiple colours if possible)
- A pack of long stick notes (4" x 6" is preferred) for cover sheets
- Scientific Calculator (it must be capable of scientific notation and logarithms)
- Safety Goggles (they must be the type that completely covers your eyes with the elastic band, **no shop goggles!**).



### **Student Learning Outcomes**

1. Solve basic chemistry problems in preparation for solving the more complex problems of General Chemistry.
2. Perform basic chemical calculations encountered in the laboratory

### **Course grading**

**There will be no extra credit given!** The time to start worrying about your grade is now, not in the 4<sup>th</sup> week of the term. The grading in this course is on a straight scale.

90% - 100%	A	60% - 69.9999...%	D
80% - 89.9999...%	B	<60%	F
70% - 79.9999...%	C		

Any or none of these borders may change at the end of the term at my discretion. **There will be no curve!** First, there are not enough students to have a curve; you need at least 100 students to have any type of bell curve. Second, your grade in this class should **not** depend on the students who are in the class with you.

### **Distribution of points in the course**

There are two mid-term exams that are worth 100 points each. Labs are worth a total of 160 points. The final exam is worth 200 points. There is a total of 560 points in the class. There will be **NO** make-up exams or laboratory reports. If you miss an experiment, you will lose those points. At the end of the term, if 50% of your final exam score is higher than the lowest of your two mid-term scores it will replace that lowest score. If you miss an exam, that is the score that will be replaced.

Exam key for the mid-term will be made available after the mid-term exam at the web site (see above). Current points and percentages will be mailed to you after the mid-term exam, the day before the final and after the final.

### **Final Exam**

The final exam for this class is on the last day of class. No make-up finals will be given after this date. **You should start studying for your final exam today!**

**NOTE: If you stop attending a class (or wish to drop a class) on or before 27 January 2018 for Winter Intersession 2018, you must drop the class yourself – officially – over the internet or in person at the Office of Admissions and Records. Failure to do so may result in a grade of "F" in that class.**

### ***Cheating***

Cheating, representing someone else's work as your own or using materials or references that are not allowed, will not be tolerated. Students caught cheating will receive a zero for that assignment. If you feel the need to cheat, please do not take this class. Please refer to the Student Code of Conduct in the college catalog.

### ***Attendance***

You are expected to attend all class sessions. If you miss more than the equivalent of a week of classes (2.5 class periods in the winter session) without a valid excuse (illness, etc.) you will be excluded from the class. Be on time for lecture and laboratory. The classroom and laboratory door will be closed and locked 10 minutes after the beginning of the lecture or laboratory section. You will not be admitted after the doors are locked.

### ***Cell Phones***

***No cell phones will be on while class is in session.*** If your cell phone rings during class, you will be asked to leave the class and this will count towards the week of absences as described above.

### ***What is expected of you...***

- This is a college level course. As such, it requires 2-3 hours of work outside of class for every hour in class. This class meets approximately 25 hours a week, so you should study at least 50 to 75 hours a week outside of class (this is a minimum, you will require more time if you are having difficulty with the material).
- I expect the students in my class to put forth the effort required for them to learn the material. I am here to help you learn the material. I cannot and will not learn it for you.
- I expect you to ask me any questions you have or to further explain what it is you don't understand.
- I expect you to use the office hours to your advantage. I have office hours scheduled (see the first page) so that you can have the opportunity to ask me questions outside of class. You can also ask questions during lab periods or via e-mail.
- I expect you to do the suggested study problems listed at the end of this syllabus. If you do not do at least all of the suggested problems, you cannot expect to do well on the exams. See also the explanation of the method for studying with the suggested problems at the top of that page.
- I expect you to treat me with respect.
- I expect you to follow the rules set forth in this class and on this campus.

### ***What you can expect from me...***

- You can expect me to do the best I can to explain the material to you. If you do not understand it the way I am presenting it, challenge me to use my creativity to explain it in a different way so that you do understand it.
- You can expect me to be clear in what my grading policies are. They are laid out for you in this syllabus.
- You can expect me to get assignments graded and back to you in a timely manner. I will try to get them back to you within a week.
- You can expect me to be fair in grading your assignments. If you think something is unfair, ask me about it and I will explain my reasoning to you.
- You can expect me to treat you with respect. If I appear to be disrespectful to you, let me know so I can rectify the problem.

If you are a student with a disability requiring classroom accommodations, and have not contacted SSD, do so in a timely manner. SSD is in the Student Services Annex, Room 175 or call SSD at (818) 947-2681 or TTD (818) 947-2680 to meet with a SSD counselor. If SSD has already sent the memo to instructor confirming accommodations required by student for this class, please meet with me to discuss arrangements.

### Laboratory Work

The laboratory work for this class is worth a total of 160 points of your overall grade (see laboratory schedule above). In the laboratory, when any laboratory work is being performed, everyone is expected to wear eye protection. If I must remind anyone of this rule more than twice in a laboratory period, you will be removed from the laboratory with the loss of points for that lab. **You are expected to come to laboratory prepared.** This means that you are to have read the introduction to the experiment and the directions for the experiment. If you have any questions about the experiment, feel free to ask me. **Do not ask me what you are supposed to do in the experiment.** That is why you have a laboratory manual. I will, however, answer any questions clarifying the instructions in the laboratory manual. Laboratory reports are due at the beginning of the next laboratory period when you enter the laboratory. No late laboratory reports will be accepted.

### Lecture and Laboratory Schedule for Chemistry 60, Winter 2018

Week of		Monday	Tuesday	Wednesday	Thursday	Friday
1 Jan	Lect	<b>Holiday</b>	Chapters 1 & 2	Chapters 2 & 3	Chapter 4	Chapter 4
	Lab   Disc		Orientation	Math & Calculator	Safety & Check-In (5 points)	Dimensional Analysis Study Questions
8 Jan	Lect	Chapter 5	Chapter 5	Chapter 6	Chapter 7	Chapter 8 & 9
	Lab   Disc	Graphs	Measurement: L, V & T (20 points)	Subatomic Particles & Isotopes	Measurement: V, M & D (20 points)	Chemical Nomenclature
15 Jan	Lect	<b>Holiday</b>	<b>Exam 1 (Chs. 1–7)</b>	Chapter 9	Chapter 10	Chapter 11 & 12
	Lab   Disc		Mole Display (15 points)	Chemical Equation Study Questions	Observation & Critical Thinking (15 points)	Chemical Reactions Problems
22 Jan	Lect	Chapters 12 & 13	Chapter 14	<b>Exam 2 (Chs 8–14)</b>	Chapter 16 & 17	Chapter 18
	Lab   Disc	Concentration Study Questions Precipitation Reactions & Equations	Solutions (25 points)	Chapter 16	Boyle's Law (15 points) & Gay-Lussac's Law (20 points)	Gas Law Problems
29 Jan	Lect	Chapter 18	Chapter 19	Chapter 19	Review	<b>Final Exam</b>
	Lab   Disc	Specific Heat & Phase Change Problems	Electron Dot Structures	Molecular Models (10 points)	Check Out (5 points) & Final Review Problems (10 points)	No Discussion

***The capacity to learn is a gift. The ability to learn is a skill. The willingness to learn is a choice.***

## Declaration of Understanding

I hereby declare that I have read the syllabus for this class and understand the rules of this class. I also understand that any failure on my part to follow the rules of this class will result in the above mentioned penalties.

Print Name	Sign Name	
	Chemistry 60	
Date	Class	Section #
E-mail address (required in order to receive grade updates)		

\*\* Failure to complete and turn in this page by 10 January 2018 will result in a deduction of 20 points from your overall grade. These points are forfeit and cannot be made up later. \*\*