

Chemistry 60 - Summer Session 2010

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Textbook: Introduction to Chemical Principles, Custom Edition for Los Angeles Valley College, H. Stephen Stoker, Prentice Hall, © 2008. Based on 9th edition.

Lab Manual: Laboratory Manual for Chemistry 60/68, Dept. of Chemistry and Physics, Los Angeles Valley College, © 2010.

Download at: http://www.ars-chemia.net/classes/68/manual/68_manual_index.htm

Scientific Calculator

Chemical Goggles

Points distribution for the course: Exams are worth 100 points each for a total of 200 points. Labs are worth a total of 250 points. The final exam is worth 200 points. There are a total of 650 points in the class. There will be **NO** make-up exams or labs. If you miss an exam or lab, you will lose those points.

If 50% of your final exam score is greater than your lowest exam score, the lowest exam score will be replaced by 50% of your final exam. Exam keys will be made available after each exam at the web site (see above). Current points and percentages will be e-mailed to you after each exam.

Course Grading: This course is graded on a straight scale. There will be **NO CURVE OR EXTRA CREDIT** in this class.

90.00 % to 100.00 %	A
80.00 % to 89.99 %	B
70.00 % to 79.99 %	C
60.00 % to 69.99 %	D
Below 60 %	F

Any (or none) of these borders may change (downward only) at the end of the term at **my** discretion.

FINAL EXAM: The final exam for this class is on Friday, 13 August at 10:30 a.m.

CELL PHONE POLICY: If your electronic communication device rings during class your grade will be lowered by 1 grade level (i.e. an "A" will become a "B" and so on). I expect all cell phones to be off during the time this class is in session.

HOMEWORK: You will be given a list of suggested study problems from the text at the end of this syllabus. These problems will not be collected or graded. However, at least one question from the list will be on each exam.

ATTENDANCE: Laboratory attendance for the **entire time scheduled** is MANDATORY and will be monitored. You must attend lab to receive any lab points.

NOTE: All students who stop attending class after the "census date" are required to drop themselves from the class. The "census date" for the summer session is the end of the first week of class. If you stop attending this class past this date, it is your responsibility to drop this class.

WHAT NEEDS TO BE DONE TO PASS THIS CLASS?

1. You need to do problems. Lots of them. There are over 1000 problems in the textbook. If you work through *all* of those and feel you need more, I can give you more. Don't do problems just to say you did them. Work through them to understand the techniques used to solve the various problems you will encounter in this class. When doing problems, don't look up the answers before you have arrived at an answer yourself. If you have to look at the answer to "solve" the problem, you **DO NOT** know how to solve it.
2. If you have questions, **ASK THEM!!!** I have no idea of what concepts you do not understand unless you make me aware of it. This is done by asking questions. You have about 12 hours a week of class time to ask your questions. I have also given my e-mail address, which allows you to ask questions asynchronously (you have to wait more than a few seconds for an answer).
3. For more study tips consult the website:

http://www.ars-chemia.net/Permanent_Files/Study_Tips.html

Study as much as you can. This means quality studying. Don't study while watching TV. Don't socialize while studying. You can form study groups, just stay on topic (i.e., talk about chemistry (preferably the topics from class)). The general rule for amount of time spent studying is that you spend 2 to 3 hours outside of class for every hour in class. We are in class 25 hours a week. You should be studying 50 to 75 hours a week outside of class studying. 50 hours if you really get the material and understand it. 75 hours or more if you are having difficulties with the material.

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

ACADEMIC HONESTY

I expect honesty from my students. Be honest to yourself. Be academically honest.

When you are honest to yourself you will know when to ask for help, from either your instructor or a tutor. It also means that you will know when something isn't working for you. For example, you study in a particular way for the first exam and don't do well on it. The same thing happens on the second exam. It is up to you to be honest with yourself at this point and ask for help or find some other method of studying that works better for you. You essentially need to learn how you learn best.

Being honest academically means that you will not rely on means of arriving at an answer that is not allowed. In other words, I expect there to be no cheating. Do not turn in someone else's work as your own. Do not copy from someone else. The penalties for cheating in my class are as severe as I can legally make them. If you cheat on an assignment (lab or exam) you will receive a zero for that assignment. If it is an exam, you will get a zero on it and it will not be eligible to be replaced by the ½ of your final grade. You will also be reported to the dean and Vice President of Student Services as having cheated. There will be no lenience on this policy.

Lecture and Laboratory Schedule for Chemistry 60 - Summer Session '10

	Monday	Tuesday	Wednesday	Thursday	Friday
Lecture	Chapter 4 & 5	Chapter 6	Chapter 6	Chapter 7	Chapter 7
Laboratory			Safety & Check In (10 pts)	Graphing & Observation (20 pts)	Molecular Models & Flame Tests (20 pts)
Lecture	Chapter 8	Chapter 8	Exam 1 (4-8)	Chapter 2 & 3	Chapter 2 & 3
Laboratory	Light & Color (15 pts)			Math & Calculator (15 pts)	Measurement: Length (20 pts)
Lecture	Chapter 9	Chapter 9	Chapter 9 & 10	Chapter 10	Chapter 10
Laboratory	Measurement: Volume (20 pts)		Chemical Formulas (25 pts)	Chemical Reactions (25 pts)	
Lecture	Exam 2 (2-3, 9-10)	Chapter 11	Chapter 11	Chapter 12	Chapter 12
Laboratory	Chapter 11		Heat (20 pts)	Boyle's Law (10 pts)	Gay-Lussac's Law (20 pts)
Lecture	Chapter 12 & 13	Chapter 13	Chapter 13 & 14	Ch. 14 & Review	Final Exam
Laboratory			Solutions (25 pts)	Check Out (5 pts)	

Laboratory Work:

- The laboratory work for this class is worth a total of 250 points of your overall grade.
- *You are expected to come to lab prepared.* This means that you are to have read the introduction to the lab and the directions for the lab before coming to class.
- When any lab work is being performed, everyone is expected to wear eye protection, unless otherwise instructed. If I have to remind anyone of this rule more than twice in a given lab period they will be removed from the lab with the loss of points for that lab.
- If you have any questions about the lab, feel free to ask me. I will answer any questions clarifying the instructions in the lab manual.
- Lab reports are due at the beginning of the next class period. Late labs will be accepted with a loss of points according to the following schedule:

Late on day due
Late 1 or more days

-50% of report value
No Credit.

SECTIONS COVERED/SUGGESTED STUDY PROBLEMS

You should always do enough of the "Practice Problems" from each assigned section to learn that type of problem. Then use the suggested "Additional" and "Cumulative" problems as a test (timed, no notes). At least one problem on each midterm will be taken from these questions. Work through as many of the Practice-Exercise Review problems as needed to further build your problem solving skills.

Exam I

Chapter 4: Sections all except 4.8; Additional - all; Cumulative - 71, 75, 77

Chapter 5: Sections all; Additional - 91, 95, 97, 99, 107, 109; Cumulative - 113-122

Chapter 6: Sections all; Additional - 95, 97, 101, 103, 105, 109, 113, 115; Cumulative - 119, 125, 129

Chapter 7: Sections all; Additional - 125-142, 149-152

Chapter 8: Sections all; Additional - 95-98, 107-110, 117, 119, 123, 124; Cumulative - 129-130

Exam II

Chapter 2: Sections all; Additional - all

Chapter 3: Sections all; Additional - all; Cumulative - all

Chapter 9: Sections all; Additional - 121, 131, 139, 137, 145, 147-158; Cumulative - 163, 165, 167, 171, 175, 179-180

Chapter 10: Sections all except 10.11; Additional - 111, 119, 126, 128; Cumulative - 131, 133, 135, 139, 149

Final Exam

Chapter 11: Sections all except 11.17; Additional - all; Cumulative—103, 109, 111, 115, 117

Chapter 12: Sections all except "collecting gas over water," p. 508; Additional - 157-164, 165, 173, 175, 177; Cumulative - 185, 187, 189, 191, 193, 195-202

Chapter 13: Sections all except 13.9; Additional - 123, 125, 127, 133, 135, 139, 141; Cumulative - 151, 153, 155-158, 161, 163

Chapter 14: Sections 14.1-14.10 (be able to write molecular, ionic, and net ionic equations for reactions with ions in aqueous solution); No Additional or Cumulative problems. Do Practice Problems 47-50, 61

Review Ch. 2-10

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	1162
Date	Class	Section #
E-mail address (required in order to receive grade updates)		

** Failure to complete and turn in this page by one week from the first day of class will result in a deduction of 20 points from your overall grade. These points are forfeit and cannot be made up at a later time. **