

ADVANCED PLACEMENT CHEMISTRY
Course Outline, Introduction, and Suggestions for Success
Dr. Luann Lee, NBCT, Instructor
phone (503) 554-5222 email: leel@newberg.k12.or.us
Office Hours: Tuesday, Thursday, and Friday, 2:30-4:30 PM

TEXT: *Chemistry 11th Ed.*, Chang and Goldsby, McGraw Hill, ©2013

Take your textbook home, because that's mostly where you will use it. It's not necessary to bring it daily. You will use 3 websites regularly, so please bookmark them:

Textbook Website: www.glencoe.com/changAP11

McGraw Hill Connect: www.mcgrawhillconnect.com/advplac (login info given in class)

Class website: www.chemistar.com This is our class website. You will find links to the above 2 sites, a course calendar, most of your handouts and other resources)

Become familiar with them. Let me know of any challenges.

CONTENT: As directed by the College Board. Course description:

<http://apcentral.collegeboard.com/apc/public/repository/ap-chemistry-course-description.pdf>

CLASS NORMS:

1. Be here, be kind, be safe.
2. Be prepared to work.
3. Work hard.

MATERIALS NEEDED – PLEASE BRING DAILY:

- three-ring binder (2-3 inch, for Chemistry only) and 4 tabbed dividers
- scientific calculator (NOT your cell phone, iPod, etc. Watch for sales)
- 8.5 x 11" notebook paper is far more convenient than 8" x 10", but hard to find.
- blue or black pens, pencils, hi-liters, pens in your favorite color

CALCULATORS: Any model that says "scientific" will be fine, so long as it does not have a QWERTY keyboard or transmit a signal. **Save the manual.** With the exception of medical devices such as insulin pumps or pacemakers, **CALCULATORS ARE THE ONLY ELECTRONIC DEVICES TO BE USED IN THIS CLASSROOM DURING ASSESSMENTS.**

You may elect to enroll in this course under any or all of the following options:

- **ADVANCED PLACEMENT OPTION:** A score of 4 or 5 on the AP exam in May will earn credit for the first year of chemistry at the chemistry major level at many universities. This course has been approved by the College Board to prepare students for this exam.
- **DUAL CREDIT: Oregon Institute of Technology** Dual credit differs from Advanced Placement in that the course syllabus also parallels the university equivalent course and credit is awarded directly by the university. This course articulates with Oregon Institute of Technology to award 10 quarter hours of Chemistry 221/222. Oregon Institute of Technology is one of seven 4-year state universities in Oregon, thus the credit transfers well, even out of state. The student is encouraged to check with an intended college to determine what chemistry courses and hours might be required for possible courses of study and make a decision to enroll for dual credit based on that understanding. Information will be sent home to students during the first week of class.
- **HIGH SCHOOL CREDIT OPTION:** Sometimes, a student will find after some career research, that neither option, above, will be beneficial and will elect to take the course to learn some chemistry. High school credit earned counts towards an honors diploma.

LAB FEES: The course fee is \$15.00. All school fees may be paid at the bookkeeper's office.

STUDYING: This is a college level class. You will need to commit to 6-8 hours per week outside of class, and stick to that commitment, to be successful.

ATTENDANCE: A college-level chemistry class moves quickly and cannot be made up by just reading, xeroxing someone's notes, or doing a worksheet. Labs must be made up on your own time. If you absolutely must be absent, get materials in the What Did I Miss box or online at www.chemistar.com, where the whole year is laid out for you. Please check the dates listed against your personal commitment calendar and be proactive about your learning. You have the number of days you missed school plus one to turn in or make up work, including labs. This policy is not without compassion for unusual circumstances. See me with concerns.

ASSESSMENTS and GRADES:

This is a college level class. It's demanding and will challenge you. The class grade scale will be adjusted accordingly. You will not be penalized for working much harder than your peers who are not enrolled in AP Chemistry. Do the hard work and stay caught up, get the learning, and the grade will follow.

There is no extra credit unless it's a bonus made available to the entire class.

Your work will be

- 25% Laboratory work
- 20% Semester exam (one per semester)
- 40% Quizzes
- 15% other Assignments

ASSIGNMENTS and DUE DATES: Bring assignments, completed as best you possibly can, on the day they are due. You'll need to be ready to ask about anything you didn't understand. Correct problem-solving form must be followed. **If you need help at any time, please ask!** Remember, you're welcome to come by the classroom whenever I'm there. If you need more time or an extension of a deadline, see me with your concerns as soon as you can. It will not be possible to successfully learn all that you need to learn during the last week of the semester.

Periodically, optional group review sessions may be held before school or after school. Plan to attend these sessions if at any time you want extra help or just want to review.

CHEATING AND ACADEMIC INTEGRITY

This class is articulated with Oregon Institute of Technology. We will adhere to their policies for academic integrity, attached as the last 2 pages of this document. There will be opportunities for collaborative work, and those opportunities will be noted as such. In all other cases. The policy is attached.

LABORATORY: The College Board and Oregon Institute of Technology require 25% of our time and/or your grade to be lab work. You must complete the labs and the write-ups to pass this course. A university may ask to review your lab book before awarding credit, so make sure it is tidy and complete. If your lab book is not prepared on the day you are to carry out the lab, you're going to have a pretty rough time. So is your lab partner. The lab is potentially a very dangerous place, and any attempt on your part (no matter how small) to deviate from the course safety rules will result in the suspension or **termination** of your lab privileges. Know the rules of conduct in your lab safety handouts and **follow them. IF IN DOUBT, ASK!** A test of laboratory safety, procedures, and equipment must be taken and passed with a score of 100% before you will be permitted to begin any lab work. The test can be found on the McGraw Hill Connect site. You will take the test online and it will be scored online. If this is a challenge, please see me.

ELECTRONICS and Norms for Responsible Use: The responsible use of an electronic device can greatly enhance your learning. Use of such devices is permitted so long as you follow responsible use norms, listed below.

- Earbuds, headphones, or other listening apparatus is to be stowed out of sight before you enter the classroom. You're here to interact with real people.
- Electronic devices are to be used to enhance your learning. Any other use during class is irresponsible. You will be told when such use is appropriate. All other times, your device should be stowed in your bag.
- Per agreement among science teachers, all devices must be turned off and stowed in your book bag during any assessment.
- *At no time may you photograph or record another person without their permission.*
- *It is unlikely that you will have time or reason to listen to music during this class, so don't ask.*
- Please inform your friends and family that you'd appreciate their patience if you don't read or respond to a message during class as this would interrupt your learning.
- Give the office phone number to your family members so they may reach you in an emergency. The number is (503) 554-4527.
- If you misuse the device the privilege to use it during class will be revoked.

BLOGGING, WIKIS, and YOUR DIGITAL FOOTPRINT

As adults move into a new age of communication, we find that most students are already there. Universities, employers, scholarship committees often check the Internet when considering you for admission, employment, or a scholarship. A negative digital presence can be very damaging. A positive web presence can be equally as important. Your online presence is often founded in news articles about athletic, academic, or philanthropic accomplishments. Also present are social media posts on Facebook, Myspace, or Twitter. Any academic work you post on a blog or wiki can help create a positive image. Our work in class at this time need contain no information that might be used to identify you, unless you choose to add your academic work to your online presence. Later, as you apply for college admissions, scholarships, and jobs, you may wish to share more of your work publicly. You will have the opportunity to create a positive digital presence in this class, if you choose to do so.

You're taking this class because you are an exceptional person who wants to get a head start on college by learning all the chemistry you can. I'm here to make sure that you do exactly that. Embrace and enjoy the challenge.

It's going to be a great year!

Academic Integrity in AP/Dual Credit Chemistry:

(all quotes in this section are from OIT's "Student Academic Integrity" policy,
http://www.oit.edu/libraries/hr_student_policies/student_academic_integrity_oit_14-030.pdf)
Excerpted from the Chemistry 201/202 syllabus by Dr. Seth Anthony

"OIT considers academic dishonesty to be an **unacceptable practice**. Academic dishonesty is defined as:

--- **cheating, plagiarism** or otherwise obtaining grades under **false pretenses**."

"**Plagiarism** is defined as:

- submitting the language, ideas, thoughts or work of another as one's own or
- assisting in the act of plagiarism by allowing one's work to be used in this fashion.

"**Cheating** is defined as, but not limited to:

- obtaining or providing unauthorized information during an examination through verbal, visual or unauthorized use of books, notes, text and other materials;
- obtaining or providing unauthorized information concerning all or part of an examination prior to that examination;
- taking an examination for another student or arranging for another person to take an exam in one's place;
- altering test answers after submittal for grading;
- changing grades after grades have been awarded; or
- altering other official academic records."

From Dr. Anthony's chemistry course guidelines:

The OIT catalog provides a dictionary--like definition of academic dishonesty, but it's not always so easy to define. On exams, or on assignments where collaboration is not allowed, the definitions of plagiarism and cheating are fairly clear--cut. However, on lab activities and on homework assignments, this is not always as clear, especially because I encourage you to work together (that is, to share thoughts and ideas with each other). However, I do expect you to use your own language in expressing your answers, because being able to put things into your own words is an important part of the learning process and demonstrates a certain level of understanding.

If your answers are identical to those of another student beyond what's necessary to solve the problem or answer the question, I take that as evidence that the learning process has probably been short-circuited somewhere – that you're submitting someone else's language (or math) as your own. It's typically only appropriate for answers to appear identical when students are working together to collect the same raw data in a lab experiment, when the answers are only a couple words long, or when there's a simple, single-step calculation. I expect you always to make your own decisions about how your answers should be expressed on the page, not simply to copy what someone else has written.

It is also important, though, both academically and professionally, to acknowledge when you receive assistance. To get you in the habit of properly citing your collaborators, there will be a blank on each homework, in--class assignment, or activity where collaboration is permitted, to list who you worked with. Failure to acknowledge collaborators is also a form of academic and professional dishonesty.

If you're wondering whether something is appropriate, ask yourself these questions:

- o If I'm writing down exactly the same thing as someone else, is this a circumstance in which that would reasonably be expected? (When in doubt, ask!)
- o If I've worked with others on this assignment in any way, have I acknowledged them as collaborators?
- o Have I chosen my own words to express the idea I'm writing down, even if the development of the ideas was a collaborative group effort?
- o Does what I wrote down on the page reflect my own understanding of the content? Could I back it up if asked about it by a peer or instructor?

IF YOU ARE ENROLLED FOR DUAL CREDIT:

In cases of suspected academic dishonesty, the procedures outlined in OIT's "Student Academic Integrity" policy will be strictly followed, both for your protection ("Students have the right to file an appeal, as outlined in the Student Handbook.") and for mine ("All academic dishonesty cases will be reported to the Office of Student Affairs.").

IF YOU ARE NOT AN OIT STUDENT:

The OIT guidelines define academic integrity on any level. They are in place to insure that you are learning, not simply turning something in to receive credit. Please familiarize yourself with them and follow them. As the guidelines state, if you are unsure as to whether a practice is ethical, please ask.