# General Chemistry with Qualitative Analysis I - 23751 - CHM 1045C - S04
# Syllabus Spring 2015
# Valencia College - Osceola Campus

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**Classroom location:** Tuesday (lectures) - Osceola Campus Building TBD
Thursday (lab) - Osceola Campus Building TBD
**College Credits:** 4 credit hours
**Class Times:** Tues/Thru 6:00 PM – 8:45 PM

## Required Text

Ebbing, D.D. & Gammon S.D. 2011. General Chemistry Ninth Edition. Brooks/Cole, Cengage Learning. Belmont CA

Beran, J.A. 2011. Laboratory Manual for Principles of General Chemistry Ninth Edition. John Wiley & Sons, Inc.

**General Chemistry with Qualitative Analysis Prerequisite:** Minimum grade of C in either CHM 1025C or one year of high school chemistry; and MAC 1105 or honor's high school Algebra II with a minimum grade of C.

**Catalog Description:** Continuation of CHM 1045C dealing mainly with equilibrium theory, thermodynamics, chemical kinetics and electrochemistry. Laboratory illustrates principles of ionic equilibrium within framework of qualitative analysis.

**Core Competencies:** Valencia College's core competencies (Think, Value, Communicate and Act) are interwoven into the fabric of this course. As such, independent, critical thinking will be cultivated during this course, encouraging students to examine the various angles of each issue and develop creative solutions to these matters. Upon completion of this course, the student will be able to demonstrate knowledge of the aforementioned topics by answering questions on an objective examination and expressing both verbal and written, erudite viewpoints.

## Student Assessment and Evaluation

This course may seem extremely intensive to some students who may have not had extensive experience in the sciences. Therefore, I strongly encourage you to stay abreast with the material and assignments. Do NOT fall behind.

The Course Calendar lists the learning activities and assessment measures that comprise this course on a weekly basis. These activities and assessments are directly related to

learning outcomes that support the overall course objectives. Students are able to gauge their performance according to this grading scale throughout the duration of the course and being logging onto their BlackBoard accounts.

There will be two exams given during this course, a mid-term and a final exam. Each of these exams will be worth 150 points toward the final grade. The final exam will be comprehensive, including all material covered up to that point in the semester. Please note that the final exam will cover the various topics that form the bases of organic chemistry and biochemistry. Therefore, it is important to stay abreast with each chapter and form a solid base for the advanced concepts of later courses.

There will be 3 quizzes given during this course worth 50 points each. These quizzes will be based upon topics covered during class/laboratory time and information presented in your textbook.

There will also be 10 laboratory reports worth 30 points each, during the semester. These short reports will be based on experiments performed in class. These assignments are designed to foster critical thinking, analysis of data, laboratory acumen and sharpen writing proficiency, all of which are useful skills in the workforce.

10 Chapter Modules will account for 250 points of the final grade. Students have the opportunity to earn up to 25 points each week. Points are assigned based on the following rubric:
Grade = #pages completed * (25 pts/# of total pages for the module)

In general, points will be earned for completing study module questions prior to their answers being posted to BlackBoard (48 hours after due date). In order to complete these assignments in a timely manner, students should pace their studying over multiple days and not wait until the 11$^{th}$ hour to complete these questions. Assignments will be due at 11:59pm on the assigned day. You have two additional days to turn in the assignment for 80% of your total points. **After the two day grace period, you will not receive any points for assignments turned in.**

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| 2 Exams (150 points each) | | 300 points |
| Quizzes (50 points each) | | 150 points |
| 10 Lab reports (30 points each) | | 300 points |
| Class Participation | | 250 points |
| | Total | 1000 points |

**Tentative Lab schedule:** The following is a tentative schedule of lab topics, dates and manuals that will be used for the duration of the CHEM 1045C course. Please note that there may be changes and updates to this schedule. You will be notified through Blackboard if any alterations are needed.

See Blackboard for schedule

## Grading Scale

The following grade scale will apply to this class:

A: 90 % or above
B: 80 - 90 %
C: 70 - 80 %
D: 60 - 70 %
F: below 60 %

## Policy for Class Attendance and Make-up of Assignments

Students are expected to attend all classes and course activities for which they are registered. Class participation is a major component of this course. Furthermore, any class meeting missed reduces the opportunity of learning and may adversely affect a student's achievement in the course.

As a general rule, no make-up exams will be given for unexcused absences or trades. All written assignments are due on the day specified by the professor. If a student has a valid reason (validity is determined by the professor) and cannot take a given exam or submit a paper on its announced date, arrangements **can** be made together with the professor to take the exam in question or submit the written work in question at a different time. Points lost for missing a class and not participating cannot be made-up either, however; if a student has a valid reason (validity is determined by the professor) and cannot attend class, an extra assignment **may** be given by the professor.

## Policy for Class Attendance and Make-up of Assignments

Valencia's Withdrawal Policy (effective Fall 2010) states that students are able to withdraw themselves only up to the Withdrawal Deadline, which is **November 1, 2013**, for the Full Fall Term (Withdrawal Deadlines for other parts of term are published on the 2013-14 Important Dates Calendar and are listed in the College Calendar link on the Valencia College home page (http://valenciacollege.edu/). After the Withdrawal Deadline, you may withdraw students who are in violation of your course attendance policy up to the beginning of the final exam period.

## Academic Honesty and Plagiarism

Students are expected to respect and uphold the standards of honesty in submitting written work to professors. Though occurring in many forms, plagiarism in essence involves the presentation of another person's work as if it were the work of the presenter. Any cheating or plagiarism will result in disciplinary action to be determined by the professor based on the severity and nature of the offense.

Collaboration and discussion is encouraged in all course aspects other than actually completing the assigned work (lab reports, study modules, etc). Indeed, collaboration often leads to increased understanding of the material being covered. If you have questions about an assignment, I encourage you to speak up and ask questions about it.

Plagiarism is a form of fraud and will not be tolerated. You are expected to do your own work. Copying text or images from any source and claiming it as your own is considered

plagiarism. Submitting copied text as most or all of your answer on an assignment is a form of dishonesty, even if you cite the source. I want you to write YOUR words, not someone else's words.