

**Syllabus Chemistry 1305 CRN 12827
Open to Students January 17, 2017**

This is a Certified Canvas class which means that it has every ingredient that is considered necessary for the DE student to do well in this class. To access this class go to <https://eo2.hccs.edu/login>. You will be able to access your class on Tuesday 17, 2017

Your instructor for this class is Dr. Graham Stoner.

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Campus Telephone: 713-718-5776

Course Description

General introduction to the fundamental principles of chemistry including chemical structure, chemical formulas, molecules, reactions and elementary thermodynamics. This course is intended to be preparatory to CHEM 1411 for science majors who have no prior knowledge of chemistry. This course satisfies the Life and Physical Sciences or Component Area Option of the HCC core.

Before you start read this

Some of you may be experienced in on-line learning but for others this is your first experience with such a course. Each student shoulders a greater responsibility for your own learning than you would in a face-to-face class. Let me emphasize three points that are critical to your success in this online version of this course. First you must have a good command of your computer and how to use it. You will be working on your own and applying your personal discipline to complete the assignments when they are due. To do this read the syllabus and the course schedule so you can give yourself time to do the necessary reading to be able to submit the assignments when they are due. DO NOT expect to have an assignment due date extended because every student must conform to the same dates. Each student must ask, "How much time do need to put into this course?" Based on my experience you should plan to spend 6 to 9 hours each week Online learning is a very different experience from a face-to-face course. You are more responsible for the learning you accomplish. It is my job to facilitate and guide you.

The only way you can master the concepts (and get a good grade) is to solve problems, lots of problems. Several problems are assigned as part of the course but your textbook contains many more at the end of each chapter. These can be used for practice as necessary.

Students are always concerned about how their final grade will be calculated. In this class there are several components that contribute to the final grade. They are 4 tests 60%, final exam 20%, weekly quizzes 5%, homework 7.5% and end of chapter problems 7.5%. In the case of the 60% test grade contribution the 4 regular tests and the final exam are considered, a total of 5 grades. The best three grades of these 5 grades are averaged and count 60% toward the final grade.

Course objectives

Upon completion of this course the student should be able to:

1. Define common chemical terms
2. Solve numerical conversion problems (dimensional analysis) related to chemical principles.
3. Identify the basic components of an atom and relate these components to the elements in the periodic table.
4. Describe properties of elements based on their position in the periodic table
5. Describe nuclear radiation and nuclear reactions.
6. Write the chemical formula and name for a chemical compound
7. Diagram electron dot structures for elements and covalent compounds
8. Balance a chemical or nuclear reaction
9. Identify and diagram changes of energy in chemical reactions
10. Define properties of solutions and their formation
11. Define and balance dissociation, precipitation, ionization, and neutralization reactions.
12. Calculate concentration of solutions solvent and solute.
13. Determine pH of a solution and classify as acid, base or neutral

Class Schedule:

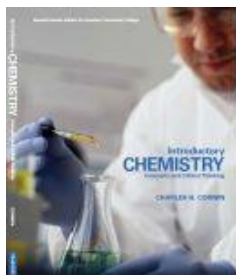
A weekly class schedule is included in the class menu and will be available on the first day of class. This schedule will include target dates for class quizzes and regular examinations. This schedule is subject to change.

Textbook

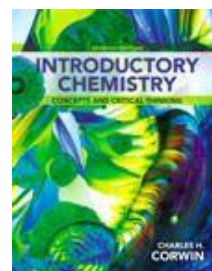
The textbook we will use in this course is "Introductory Chemistry", 7th edition, Pearson Prentice Hall, Upper Saddle Brook, N. J. 07458 2008.

There are 2 textbook choices as pictured below. The soft cover edition is missing chapters 13 and 19. For those students that purchase this edition, I have included copies of these chapters in their appropriate chapter modules in the course.

Soft Cover



Hard Cover



Weekly Quizzes

There may be a short quiz at the beginning of most weeks covering current subject material according to the class schedule. Because quizzes and tests will be given on-line, each student will download the Respondus Lock-down browser in order to access an answer questions. The browser link is

<http://www.respondus.com/lockdown/information.pl?ID=355612798>

email

Do not use your personal email to communicate with your instructor in this class. There is an email program within Canvas. This is the tool you will use to communicate with your instructor and/or other students. emails from your instructor will go to your HCC college email address. Make sure this email is the email source that you will read on a daily basis as this is the only email address that I will use to communicate with you and you with me. Your emails to me using this feature will go to a special folder in my HCCS email address and the system will identify that the email is coming from this course.

Canvas Student User ID

Your EOL login user ID will be your HCC User ID (sometimes referred to as the “W” number). All HCC students have a unique User ID. If you do not know your User ID you can look it up by visiting the HCC home page:

From www.hccs.edu, under the column “CONNECT”, click on the “Student System Sign In” link

Then click on “Retrieve User ID” and follow the instructions.

Or use the direct link to access the Student Sign In page:

<https://hccsaweb.hccs.edu:8080/psp/csprd/?cmd=login&languageCd=ENG>

The default student password is “distance.” Students will then be prompted to change their password after their first login. Please visit the DE Technical Support website if you need additional assistance with your login.

Syllabus Quiz

A short quiz covering this syllabus must be passed with a score of 100 before the student may have access to any HW or EOC problems. The quiz must be taken until a score of 100 is obtained.

Student Handbook

HCC Online Student Handbook contains policies and procedures unique to the online student. Students should have reviewed the handbook as part of the mandatory orientation. It is the student's responsibility to be familiar with the handbook's contents. The handbook contains valuable information, answers, and resources, such as contacts, policies and procedures (how to drop, attendance requirements, etc.), student services (ADA, financial aid, degree planning, etc.), course information, testing procedures, technical support, and academic calendars.

Click on the link below to download the Student Handbook.

http://de.hccs.edu/Distance_Ed/DE_Home/general_info/student_handbook/Handbook%20PDFs/HCC%20DE%20Student%20Handbook.pdf

Examinations

There will be 4 regular examinations and a final exam during the semester. Exam dates will be given in the Class Schedule. Any date may be changed by your instructor. The average of the best three out of the four regular examinations and the final exam (5 total) will be used to calculate your regular examination score for the course. If a student cannot take an examination during the regular scheduled time, a makeup exam can be rescheduled, if in the opinion of the instructor, the reason for missing the exam was warranted. It is important that this be discussed with the instructor prior to missing the exam. It is not possible to make up the final examination.

Testing

The 4 regular tests and a final exam will be given during the semester. These exams will be given on selected days as given below. The schedule is subject to change. Adequate notice will be given. Check inside the class for any changes.

Test No.	Date:	Chapters covered
Test 1	Feb 5, 2017	Chapters 1, 2, 3, 4
Test 2	Mar 6, 2017	Chapters 5, 6, 7, 8
Test 3	Apr 9, 2017	Chapters 9, 10, 12
Test 4	May 1, 2017	Chapters 13, 18, 19
Final Exam	May 7, 2017	All Chapters

All tests and quizzes will require the Respondus Lockdown Browser which each student must install on his/her computer. This browser is used only for tests and quizzes. It prevents any student access to another browser during tests and quizzes. Students may install the Respondus Lockdown Browser at

<http://www.respondus.com/lockdown/download.php?id=355612798>

Homework

There will be homework assessments for each chapter. The assessments will generally consist of 20 - 25 multiple choice questions or problems that will be available at the beginning of the class with due dates for each assessment to coincide with the examination that covers those chapters. Homework counts for 7.5% of the final grade.

End of Chapter Assessments

EOC assessments will consist of 5 problems from the end of each chapter. All EOC assessments will be available at the beginning of class with due dates for each chapter to coincide with the test covering those chapters. EOC assessments count for 7.5 % of the final grade.

email

Communication with your online course instructor is important. This course has a built in email program that provides a direct connection to your instructor and/or other students in this class. Always use it when connecting with anyone in the class. Keep your instructor informed of problems you are having either with the course, other students or with your assignments. Disagreements or complaints must be addressed first with your instructor. For other grievance procedures, consult the HCC Student Handbook.

Calculation of Final Grade

The final grade semester letter will be calculated using the following criteria:

90 – 100 %	A
80 - 89%	B
70 - 79%	C
60 – 69%	D
Less than 60%	F

Less than 60% and excessive absences from class: FX

Weekly Quizzes 5%

Homework: 7.50%

End of Chapter Assignments: 7.50%

Final Examination: 20%

Average of Best 3 Examinations: 60%

HCC does not mail a final grade report to students. Grades are posted to the student's transcript which can be viewed online in the same area where students register. To access this area, students visit www.hccs.edu and click "Register Here". From there, click "Registration and More" to login and view an unofficial transcript online.

DISCRIMINATION

Title IX of the Education Amendments of 1972 requires that institutions have policies and procedures that protect student's rights with regard to sex/gender discrimination. Information regarding these rights are on the HCC website under Students-Anti-Discrimination. Students who are pregnant and require special accommodations should contact any of the ADA Counselors for assistance. It is important that every student understands and conforms to respectful behavior while at HCC. Sexual misconduct is not condoned and will be addressed promptly. Know your rights and how to avoid these difficult situations. Log into www.edurisksolutions.org . Sign in using your HCC studente-mailaccount, then go to the button at the top right that says *Login* and enter your student number.

STUDENT POLICIES AND PROCEDURES

The Distance Education Student Handbook contains policies and procedures unique to the DE student. Students should have reviewed the handbook as part of the mandatory orientation. It is the student's responsibility to be familiar with the handbook's contents. The handbook contains valuable information, answers, and resources, such as DE contacts, policies and procedures (how to drop, attendance requirements, etc.), student services (ADA, financial aid, degree planning, etc.), course information, testing procedures, technical support, and academic calendars. Refer to the DE Student Handbook by visiting this link: <http://de.hccs.edu/de/de-student-handbook>

Special Note Regarding this Syllabus:

The instructor reserves the right to change items in this syllabus except for the grading scale, grading legend and attendance policy. Students will be notified of all changes in writing or by way of verbal announcement to the entire class prior to the change.

TITLE IX OF THE EDUCATION AMENDMENTS OF 1972

Title IX of the Education Amendments of 1972 requires that institutions have policies and procedures that protect students' rights with regard to sex/gender discrimination. Information regarding these rights are on the HCC website under Students-Anti-discrimination. Students who are pregnant and require accommodations should contact any of the ADA Counselors for assistance.

It is important that every student understands and conforms to respectful behavior while at HCC. Sexual misconduct is not condoned and will be addressed promptly. Know your rights and how to avoid these difficult situations.

Log in to: www.edurisksolutions.org . Sign in using your HCC student e-mail account, then go to the button at the top right that says Login and enter your student number.