

HOUSTON COMMUNITY COLLEGE
COURSE SYLLABUS
GENERAL CHEMISTRY I (CHEM-1411, CRN 88625)
Spring, 2016
DEPARTMENT OF PHYSICAL SCIENCES
Spring branch center
CHEMISTRY

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Office Hours: Immediately before and after class

Time: Mon. (6:00pm-9:00pm)& Wed. (6:15 pm-9:15 pm) Room# 519 and Room# 517)

TEXT: CHEMISTRY – by Stevan S. Zumdahl & Susan A. Zumdahl, 9th ed., (2014)

ISBN: 978-1-133-61109-7

LABORATORY TEXT- Laboratory Manual for CHEM 1411-General Chemistry I

ISBN: 978-1-59984-380-3

Companion Website: www.cengage.com

COURSE DESCRIPTION: This course covers classification of matter, measurements, unit conversions, atomic structure, naming and formula writing of ionic and covalent compounds, chemical reactions, thermochemistry, electron configuration, stoichiometry of reactions, chemical bonding, molecular structure, gases, states of matter and periodicity.

The laboratory includes appropriate experiments to strengthen the knowledge and application of the above topics.

PREREQUISITE: ONE YEAR OF HIGH SCHOOL CHEMISTRY OR CHEM1405 AND MATH 1314
TASP requirement should be satisfied prior to this course; otherwise, students will be automatically dropped from this course. Students must be placed into college level reading and college level writing classes.

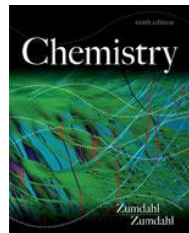
COURSE GOALS: This course requires students to show the importance of chemistry in their major areas. It will also provide the necessary knowledge about Reading, Writing, Listening, and Computer Applications.

This course satisfies the following areas:

1. Critical Thinking
2. Communication Skills
3. Empirical and Quantitative Skills
4. Team Work
5. Social and Personal Responsibility

TEXT: CHEMISTRY – by Zumdahl & Zumdahl, 9th edition

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Tutors:

Free departmental Tutors are available at Spring Branch and Katy Campus
Go to <http://hccs.askonline.net/index.mhtml> for tutor help

Companion Website: www.cengage.com and owlV2

GENERAL CHEMISTRY I

CLASS SCHEDULE Spring, 2016

CLASS MEETING DAYS: Monday (6:00pm-9:00pm) & Wednesday (6:15 pm. - 9:15 pm.)

MEETING LOCATIONS: Monday in Rm – 519 & Wednesday in Rm- 517

LABORATORY POLICY

Laboratory rules and safety instructions will be reviewed and observed. Eye protection is very important. During wet labs, eye glasses or goggles must be worn at all times during the laboratory period. Any student not wearing safety glasses at any time after the experiment has begun may be given a zero for that experiment. Laboratory reports are due one week after the experiment. Lab report will be submitted by each student individually. Identical and late lab reports are not acceptable. Students must come prepared to the lab by reading and completing pre-lab activity for the given lab.

THERE WILL BE NO MAKE UP LAB:

Students are expected to attend every lab. Students are responsible to contact the instructor if any lab is missed, and make-up assignment should be submitted within one week of the missed lab.

Student Conduct

- Be seated on time.
- Respect yourself and others
- Classroom Discussion should be relevant to the topic
- Be respectful to the instructor during the lecture period (avoid interruption by talking)
- Cell phone and other electronic device should be turned-off before you enter the class.
- You may have a seating chart (if needed) by the instructor.
- Camera Phone and recording devices are not allowed to use in the class (refer to HCC-ADA policies for reasonable accommodations)
- Student is asked to behave as a responsible adult. You may ask to leave that day's class for inappropriate behavior, and will receive a grade of "F" for the course for repeating VIOLATIONS.

DISABILITY SUPPORT SERVICES (DSS)

Any student with a documented disability (e.g., physical, learning, psychiatric, vision, hearing, etc.) who needs to arrange for reasonable accommodation must contact the disability Services Office @ 713-718-5708. Faculty is authorized to provide only the accommodation requested by the Disability Support Services Office.

Academic Dishonesty:

Students must conduct themselves with honor and integrity to fulfill the course requirements. Disciplinary action may be initiated by the college system against a student accused of Scholastic dishonesty. Penalties may include a grade of "F" on the particular assignment, failure in the course, academic probation, or even dismissal from the college. Scholastic dishonesty includes, but is not limited to, cheating on a test, plagiarism, and collusion.

A Cheating on a test includes:

- Copying from another student's test

- Un authorized materials are used during the test
- Collaboration with another student during the test
- Buying, selling, stealing, transporting or soliciting in whole or part of the contents of an un administered test; or bribing another person to obtain a test that is to be administered

Plagiarism means the appropriation of another's work and the unacknowledged incorporation of that work in one's own written work for credit.

Collusion means the unauthorized collaboration with another person in preparing written work offered for credit.

In this case, the penalty will be "F" for this course. This is the standard policy for the Physical Science department of the Northwest Campus.

ATTENDANCE AND WITHDRAWAL POLICIES:

The HCC attendance policy states that students are expected to attend classes regularly. Class Attendance will be checked daily. A student may be dropped from a course after missing six hours of the class time. Three tardies / early exits are counted as one absence.

Students are responsible to make –up their missing works. It is their responsibility to contact the instructor to make-up their missing assignments. Students can withdraw from the class and receive a grade of "W" up until the "last day (04/05/2016) to drop from a class" for this semester. The instructor cannot give a "W" when the student is failing at the end of the semester. Students remaining and participating in class after the official withdrawal date will receive a F grade. Students will receive a grade of "I" only if they have completed all course requirements with the exception of the final examination. An Incomplete (I) will automatically be converted to an "F" after one semester unless the required work is completed. Instructor can drop a student for excessive absences.

Policy Regarding Multiple Repeat of a Course:

Students who repeat a course three or more times may want to withdraw the course because you are not making the passing grades. Contact your instructor or counselor as early as possible. You may need to change your study habits, reading and writing homework, test taking strategy, attendance, class participation, tutoring and other opportunities that might be available.

Examinations and Grading Systems:

Students will take three unit Tests, and one Departmental Final Exam. If a student misses one Test, the Final Exam score will replace the missing exam grade (One Missed Test Only) . Final course grade will be calculated accordingly. Final Exam grade will be cumulative, and it does not have any make-up Test. EVERY STUDENT MUST TAKE THE FINAL EXAM ON May.9th,2016 at 6:00pm

If a student takes all THREE unit tests, the lowest test score will be replaced by final exam score if the final exam score is higher.

GRADING

The overall score is based on the following:

TEST # 1	100 Pts.
TEST # 2	100 Pts.
TEST # 3	100 Pts.
Lab average	100 Pts.
FINAL EXAM	100 Pts.
TOTAL	500 Pts

A (90-100) % = 450-500	4 points/ semester hour
B (80 -89) % = 400-449	3 points/ semester hour
C (70 – 79) %= 350- 399	2 points/ semester hour
D (60- 69) %= 300-349	1 points/ semester hour
F (0- 59) %= 0-299	0 point/ semester hour

Lab Work (100 points) = (student points x 100) / Maximum lab points.
Pre-lab exercise should be completed before entering the lab.
Make-up test will be allowed for a student to take if student has any document of personal or family illness within two days from the day of the test.

WEEK ONE

20st Jan. - Course Introduction & Chapter 1

WEEK TWO

25th Jan. – Safety Video, Safety Quiz and Lab # 1 (Measuring techniques and calculations)

27th Jan. - Chapter 1 and Chapter 2

WEEK THREE

1st Feb. - Lab # 3 (Separation of the components of the mixture)
Chapter 2

3rd Feb. – Chapter 2

WEEK FOUR

8th Feb. – Lab # 4 (Identification of substances by physical properties)
And chapter 3

10th Feb. – Chapter 3 cont.

WEEK FIVE

15th Feb. – Chapter 1-3 Review

17th Feb. – Chapter 1-3 test (Closing day for Owl V2 assignments/ EOC H.W. from 1-3)

WEEK SIX

22nd Feb. – Chapter 4

24th Feb. – Chapter 4 cont.

WEEK SEVEN

29th Feb. – Lab # 8

2nd March. – Chapter 5

WEEK EIGHT

7th March. – Lab # 13 (Determination of the molar mass of a volatile compound)
Chapter 6

9th March. –Chapter 6 cont.

WEEK NINE

Spring Holidays

WEEK TEN

21st March. – Lab # 11 (Heat of Acid - Base Neutralization)
Chapter 4-6 review

23rd March. – Unit Test # 2 from chapters 4-6 (Closing day for Owl V2 assignments/ EOC H.W. from chapter 4-6)

WEEK ELEVEN

28th March. – Chapter 7

30th April. – Chapter 7 Cont.

WEEK TWELVE

4th April. –Lab # 9 (Activity Series of Metals)
Chapter 8

6th April. – Chapter 8 Cont.

WEEK THIRTEEN

11th April. – Lab # 14

13th April. – Chapter 9

WEEK FOURTEEN

18th April. – Chapter 9

20th April. – Chapter 10

WEEK FIFTEEN

25th April. – Chapter 10 Cont.

27th April. –Review

WEEK SIXTEEN

2nd May – Unit Test # 3 from chapters 7-10

4th May – Review for Final Exam

WEEK SEVENTEEN

9th May – Final Exam ((Closing day for Owl V2 assignments/ EOC H.W. from chapter 7-10)

11th May – Result Preparation

Online Home work: Owl V2 homework assignments (1-10 mastery and chapter tests) and End of Chapter HW problems will be counted for 10% extra credit to unit tests.

- This is the course overview for CHEM 1411. It may be changed. If anything happen, you will be notified in advance.
- Lab reports are due by the next Lab class after you finish your lab. You should prepare your lab report on your own (individually).
- The website available on Eagle Online at <http://online.hccs.edu> will be used as an instructional aid.

End of Chapter Home Work

- Chapter 01: 30, 36, 42, 68, 80, 82
- Chapter 02: 28, 32, 58, 68, 72, 80
- Chapter 03: 38, 66, 72, 74, 82, 88, 102, 106, 117, 126
- Chapter 04: 23, 27, 30, 36, 38, 44, 66, 68, 80, 82
- Chapter 05: 40, 44, 50, 52, 82, 90
- Chapter 06: 16, 18, 30, 46, 54, 72, 112
- Chapter 07: 40, 58c, 74, 82, 98, 106, 110
- Chapter 08: 28, 34, 46, 54, 66, 82, 89, 94, 114, 122
- Chapter 09: 34, 40, 66
- Chapter 10: 16, 36, 40, 42