

# Course Syllabus

## Introductory Chemistry

### Course Information

Course Number & Name: CHEM 002 Introductory Chemistry  
Section Number: 70943  
Semester & Year: Fall 2017  
Lecture(days, time, location): MW, 2:15PM – 3:40PM, GC 110  
Final Date and Time: 12/12/17, 2:15PM – 4:15PM, GC 110  
Drop Policy: Drop deadline without a “W” – 09/18/2017  
Drop deadline with a “W” – 11/18/2017  
Prerequisites: MATH 000C, or any MATH course higher than MATH 00C.  
Advisory: Eligibility for ENGL 001A and READ 054

### Instructor Information

Name: Ashok Sinha, PhD  
Office (days, time, location): M, 1:40PM – 2:10PM, Teaching & Learning Center SE2-101  
Phone: 408 712-0261  
E-mail: Asinha071@yahoo.com

### Required Course Materials

Textbook Title: Introductory Chemistry: An Atoms First Approach (only the book is required)  
Author: J. Burdge and M. Driessen (ISBN #: 978-0073402703)  
Publisher: McGraw-Hill, 2015  
Scientific Calculator.

**Course Description:** This is a pre-professional chemistry course designed for students planning a career in science-related fields and to prepare students for CHEM 001A. The optional section CHEM002L is a laboratory component to accompany CHEM002: Introductory Chemistry.

### Student Learning Outcomes (SLO):

1: Demonstrate the ability to write formulas for and name chemical compounds in order to communicate using the language of chemistry and to write and balance chemical equations in order to predict products in chemical reactions and their quantities.

2: Demonstrate the ability to perform stoichiometric calculations for chemical reactions in order to predict chemical quantities through calculation.

**Points to be Earned:** Points will be earned based on three integrated exams and a comprehensive final. There will be no makeup exams under any circumstances. Absence from the final will result in a failing grade in the class. Exams will be, if not mentioned otherwise with short questions, multiple choice (on scantron form 882E) and/or True/False format. Students will lose one (1) point per absence from the next midterm exam if they are late to attend a class within 5 minutes of the start time.

**Grade Computation:** Grading will be based upon two integrated exams and a comprehensive final.

3 midterm exams (20-% each)	60 %
Comprehensive Final	25 %
Homework	13%
Participation	<u>2%</u>
Total	100%

If your 2<sup>nd</sup> midterm score is better than your 1<sup>st</sup> midterm, then the 2<sup>nd</sup> midterm score will be used as 1<sup>st</sup> midterm score. Same rule will be used for later exam scores - once. But not reverse way.

PLEASE NOTE: There will be no make-up exams and/or assignments. Full credit for exams/quizzes, and worksheets will be given only to students present in class at that date and time. Please consult with your instructor for special circumstances.

Letter grades will be assigned on a percentage scale:

**A:  $\geq 90$  %    B:  $\geq 80$  %    C:  $\geq 70$  %    D:  $\geq 60$  %    F:  $< 60$  %**

Final cut-off percentages will be determined after all points for lecture and laboratory have been totaled.

**Online homework:**

Chapter homework will be posted on Canvas and accessible within 10 days from its opening. You should print out and/or save the homework set to your computer. After completing all the questions, you should submit your answers altogether on Canvas. You will gain feedback on your incorrect answers and have the chance to fix them to maximize your scores. In addition, you should do as many problems in the textbook as you can. They represent a minimum of what you should work on to master the material and to prepare for quizzes and exams. Keep in mind that it is not only about getting the right answer, but also about understanding the reasoning behind the solution AND learning to recognize where that reasoning is applicable. Assignments in textbook will NOT be graded. But you may bring up the problems to class so everyone can solve and learn together.

PLEASE NOTE: There will be no extension of due date for late submission.

Participation: It will be decided by the instructor based on the following student qualities: attendance and punctuality, mental alertness, courtesy to instructor and classmates, effort and utilization of time.

**Policy on Attendance:**

Students are expected to attend all sessions of each class. Instructors may drop students from the class if they fail to attend the first class meeting, or do not attend at least one class meeting during the first two weeks. Moreover, instructors may drop students when accumulated unexcused hours of absence exceed 10% of the total number of hours the class meets during the semester.

FACULTY ABSENCE: If the instructor is not in attendance after 20 minutes from the scheduled start time of class, the class is cancelled and the students may leave.

**Canvas Information:**

Canvas is a course learning management system adopted by the WVMCCD for all classes. When you log into the system, you will see a listing of classes that you are taking. <https://wvm.instructure.com/login/canvas>

**Policy on Cheating:**

Cheating and plagiarism are not tolerated on any class assignment, quiz or exam. Students found cheating will receive an “F” on the exam/quiz/practical/activity. You may also be referred to the Vice President of Student Services. Cheating is the act of obtaining or attempting to obtain credit for academic work through the use of dishonest, deceptive or fraudulent means. Examples of cheating include copying from someone else’s exam or quiz, consulting with others during exams or quizzes, or using materials like dictionaries or notes during exams or quizzes. If two students are involved, both will be penalized since it is impossible to prove who copied from whom. Please review the principles of academic honesty, which are defined in the Student Handbook and Catalog.

**Policy on Student Conduct:**

It is my responsibility to ensure that all students enjoy a supportive, respectful learning environment. I have a zero-tolerance policy toward any speech or behavior that disrupts the learning environment or prevents any student from achieving their educational goals. This includes, but is not limited to, disruptive behavior in the classroom such as speaking over the instructor, interrupting other students, monopolizing the instructor’s attention such that other students cannot be served, disrespectful, demeaning, or discriminatory remarks of any kind, and any form of coercive behavior toward the instructor or other students. **Any student who engages in such speech or behavior will be told to leave the class for the day, and if the behavior occurs a second time the student will be referred to the Vice President of Mission College for disciplinary action.**

**Disability Statement:**

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact DSPS (Disability Support Programs and Services) located in CC 240 (second floor of Campus Center) (408-855-5085 or 408-727-9243 TTY or [dsp@missioncollege.edu](mailto:dsp@missioncollege.edu)) to coordinate reasonable accommodations for students with verifiable documentation.

**Safety/Emergency Information:**

1. Emergency procedures can be found on the poster hanging in your classrooms. Each classroom is also equipped with a phone that any student or faculty member can use to call for help during an emergency. Emergency numbers can be called via speed-dial buttons programmed on the phone.
2. Evacuation plan: In the event of an evacuation, the emergency assembly area for this classroom is Parking Lot C. When directed to evacuate the classroom, be sure to take all or your belongings when you leave and remain with your class in the assembly area until you receive further directions from me or another responsible official (college administrator, police, fire, etc.). In case of emergency, CALL 911.
3. Additional emergency information
  - Student health services: 408-855-5140 (5140 if dialing from campus phone)
  - Safety escort: 408-855-5435 (5435 if dialing from campus phone)
  - Nearest campus phone: 408-855-5140 (5140 if dialing from campus phone)
  - Nearest fire alarm: SCI 280
  - Nearest fire extinguisher: SCI 280 (next to the door)
  - Nearest first aid kit: SCI 270 (next to the door)

**Fees:**

All fees are due and payable at the time of registration. Mission College will be enforcing the Pay-to-Stay registration payment policy effective Fall Semester 2011. This is the policy that allows Admission and Records to drop students for non-payment of fees. If the payment is not made at the due date, the student will be dropped from all classes for which they are currently registered. Holds will be placed on students’

records for fees and any other financial obligations owed to the college. Mission College will not allow a student to re-register in the college nor will the college forward transcripts or any other records to other institutions when those students have holds on their records. Degrees and certificates will also be held until all outstanding fees have been paid or cleared.

**Tutoring Information:**

Upon referral by an instructor or a counselor, students can enroll in the Supervised Tutoring course, IS 947, where they can receive assistance on the basis of a learning need. Tutoring is available for all subjects. Tutoring is provided at no charge by qualified, trained tutors. Tutors can give students feedback on their course work, help them understand assignments and provide students strategies for improving their learning skills.

**The Family Educational Rights and Privacy Act (FERPA)**

(20 U.S.C. § 1232g; 34 CFR Part 99) is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. For additional information, you may call 1-800-USA-LEARN (1-800-872-5327) (voice). Individuals who use TDD may call 1-800-437-0833.

**Harassment Information:**

If you have a complaint or someone has shared information with you as a student or employee that is unlawful discrimination or sexual harassment, contact the Director of Human Resources at West Valley-Mission Community College District, Human Resources Department, 408-741-2060. If the Director of Human Resources is not available, contact the President of the college at 408-855-5123.

**Mission College is a No-Smoking and Drug-Free Campus**

The West Valley-Mission Community College District policy 5.18.1 prohibits “the unlawful use, distribution, sale, or possession of alcohol, narcotics, dangerous or illegal drugs, or other controlled substances, as defined in California statutes, on District property or at any function sponsored by the District or colleges.” Also, the campus community voted it’s preference for a non-smoking environment, and the decision is reflected in District policy: The College’s non-smoking policy is enforced in all areas except for campus parking lots.

**Grievance Process:**

The grievance process is a formalized process to ensure the timely resolution of conflict at the lowest possible level. The first step is the informal resolution stage which involves the student who has a complaint and the staff member or specific group who is the other party in the grievance. The student must notify the staff person or representative of a group that she/he wishes to make an appointment for an informal meeting to review an action within ten (10) days of its occurrence. In the absence of the instructor or staff person and after a good faith effort to make contact, the grievant may directly contact the department chair. Additional information is available from the Vice President of Student Services.

**Policy for Course Repetition:**

Title 5 code 55040: District Policy for Course Repetition. A student may repeat any course in which a substandard final grade (D F, NP, or W) was earned. A course may be repeated only once under this policy for a total of two attempts. A student wishing to repeat a course for a 3<sup>rd</sup> attempt will be required to submit a Student Petition Form.

## Chem2 Schedule (Tentative);

Week #	Date	CHEM-02, Fall 2017, Mon and Wed, 2:15PM -03:40PM, GC-101; Dr. Sinha
1	8/28	CH-1: Atoms and Elements
	8/30	CH-1 (cont.) & CH-2: Electrons and the Periodic Table
2	9/4	Labor's Day, No Class
	9/6	CH-2 (cont.)
3	9/11	CH-3 Compounds and Chemical Bonds
	9/13	CH-3 (cont.) & CH-4: How Chemists Use Numbers
4	9/18	CH-4 (cont.) & Review Test # 1 (CH-1, 2, 3, and 4)
	9/20	Test # 1 (CH-1, CH-2, CH-3 & CH-4)
5	9/25	CH-5: The Mole and Chemical Formulas
	9/27	CH-5 (cont.)
6	10/2	CH-6: Molecular Shape
	10/4	CH-6 (cont.) & CH-8: Gases
7	10/9	CH-7 Solids, Liquids and Phase Changes
	10/11	CH-8: Gases
8	10/16	CH-8 (cont.) & Review Test # 2 (CH-5, 6, 7, and 8)
	10/18	Test # 2 (CH-5, 6, 7, and 8)
9	10/23	CH-9: Physical properties of Solutions
	10/25	CH-9 (cont.) & CH-10: Chemical Reactions and Chemical Equations
10	10/30	CH-10 (cont.)
	11/1	CH-11: Using Balance Chemical Equations
11	11/6	CH-11 (cont.)
	11/8	CH-12: Acids and Bases
12	11/13	CH-12 (cont.)
	11/15	CH-12 (cont.)
13	11/20	Review Test # 3 (CH-9, 10, 11, and 12)

	11/22	Test # 3 (CH-9, 10, 11, and 12)
14	11/27	CH-13: Equilibrium
	11/29	CH-13 (cont.)
15	12/4	Review Final Exam (CH-1 to CH-13)
	12/6	Review Final Exam (CH-1 to CH-13)
16	12/11 Mon.	<b>Final Exam (CH-1 to CH-13)..... 2:15PM-4:15PM</b>
		<b>The Final Exam will neither be given early, nor will it be given late.</b>