

Lake-Sumter State College Course Syllabus

Course Information:

Course Prefix and Number: CHM2045C

Course Title: General Chemistry I with Lab

CRN: 10436 and 10690

Credit Hours: 4

Semester: Fall 2019

Class Days, Location, Time: VHS - M-F (12:50pm – 1:40pm and 1:45 pm – 2:35 pm) - Labs as Scheduled

Course Description: A quantitative study of theoretical and descriptive aspects of the states of matter, atoms, molecules, bonding, homogeneous reactions, acid-base properties, amphoterism, complex ion formation, chemical equilibria, and oxidation reduction process. The lab component will provide laboratory support for the concepts taught in lecture.

Instructor Information:

Name: Bridget Logan

E-Mail: loganb@lssc.edu

Office Location: VHS

Phone: 352-259-3777

Office Hours: 7:00-7:30am

Vital Communication Information:

For e-mail, please note that all students are required to use Lakehawk Mail for official college e-mail communications. See the college webpage for [instructions on activating Lakehawk Mail](#).

Sending a private message using the MESSAGES tool in Canvas is always the most secure method of contacting your Instructor.

Please remember that any phone contact with your Instructor should be of a professional nature. Please always leave a clear, concise, but detailed message with your contact and class information. Always follow up a phone call with a written account via BB Message or e-mail.

Prerequisites/Co-requisites:

Prerequisites: C or higher in CHM1025C and C or higher in MAC 1105

Co-requisites: None

Textbook & Other Course Materials:

Chemistry (w/Connect 2-Semester Access Card) Edition: 13th - Chang

Technology Requirements:

Canvas is a required component of this course. Students unfamiliar with Canvas are expected to complete the [Canvas Orientation from LSSC's website](#) within the first week of classes.

Major writing assignments need to be created and saved in a file format that is compatible with Microsoft Word. If using a word processing program other than Word, it is the student's responsibility to adhere to all formatting and submission requirements. Please ask for help if you are unsure how to save a file in a Word-compatible format.

Please click the link to see information on [how to obtain Microsoft Office 365](#) as an LSSC student.

Student Learning Outcomes:

- The following outcomes will be assessed in this course. An "outcome" is defined as something students take with them beyond this course. After successful completion of this course, the student will:
- Describe and identify components, assess and discuss results, as well as design (and/or implement) scientific experiments.
- Critically evaluate qualitative and quantitative data, applying inductive reasoning to arrive at scientifically rational conclusions.
- Demonstrate competency with the principles of the scientific method, as well as an appreciation for its purpose in obtaining results from a collection of carefully recorded objectively based observations representing the current level of knowledge as accepted by the scientific community.
- Integrate basic concepts of chemical, physical, and biological processes into a cohesive awareness of the interrelationships that exist between them.

Course Objectives:

Objectives are defined as what the course will do and/or what the students will do as part of the course.

This course will provide students with:

- Apply the principle of the scientific method as a practical problem-solving tool.
- Apply the principles of scientific measurement consistently.
- Understand and describe atomic structure emphasizing electron configuration and chemical periodicity.
- Apply knowledge to name compounds and write formulas.
- Analyze problems involving stoichiometry, thermochemistry, molarity, density, ideal and non-ideal gas behavior.
- Differentiate between different types of chemical reactions and balance chemical equations.
- Determine molecular structures and polarity of given molecules or compounds.
- Distinguish between different types of bonding.
- Collect experimental results, analyze data, identify sources of error, interpret results, and propose alternative methods of experimental study.
- Organize laboratory work and demonstrate an understanding of laboratory work through the written lab report.
- Demonstrate the ability to effectively function in a team setting.
- Demonstrate the ability to work safely in a basic chemical laboratory.
- Organize laboratory work and demonstrate an understanding of laboratory work through the written lab report

Institutional Policies & Procedures:

Academic Integrity:

The successful functioning of the academic community demands honesty, which is the basis of respect for both ideas and persons. In the academic community, there is an ongoing assumption of academic integrity at all levels. There is the expectation that work will be independently thoughtful and responsible as to its sources of information and inspiration. Honesty is an appropriate consideration in other ways as well, including but not limited to the responsible use of library resources, responsible conduct in examinations, and the responsible use of the Internet. See [college catalog](#) for complete statement.

Important Information for Students with Disabilities:

Any student with a documented disability who requires assistance or academic accommodations should contact the Office for Students with Disabilities immediately to discuss eligibility. The Office for Students with Disabilities (OSD) is located on the Leesburg Campus, but arrangements can be made to meet with a student on any campus. An appointment can be made by calling 352-365-3589 and specific information about the OSD and potential services can be found at [Disability Services](#).

Privacy Policy (FERPA):

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part99) is a Federal law that protects the privacy of a student's education records. In order for your information to be released, a form must be signed and in your records located in the Admissions/Registrar's Office.

Zero-Tolerance for Violence Statement:

Lake-Sumter State College has a policy of zero tolerance for violence as stated in College Board Rule 2.17. Appropriate disciplinary action will be taken in accordance with Board Rule 2.17.

Attendance/Withdrawal Policies:

Initial Attendance:

Initial attendance will be entered at the end of the second week of the semester/mini-mester. A student who has not met initial attendance requirements will be marked as "not-attending" and administratively withdrawn from the class. The withdrawn student is still financially responsible for the class (see the [college catalog](#)) for more details.

Withdrawal:

Once the Add/Drop period passes, students deciding to discontinue class attendance and/or online participation have the responsibility for formal withdrawal by the withdrawal deadline.

Withdrawal Deadline:

10/28/2019

Instructor Policies:

In order for the course to be successful, it is essential that all students be respectful. The instructor requires that all students follow some basic rules of etiquette.

1. Students are required to use appropriate and respectful language at all times when working with the instructor via email communication or phone.
2. Students are not to copy assignments, homework, quiz answers, or any other course work from other students. Students may receive assistance on homework and practice assignments, but copying is cheating, a serious offense, and it will result in referral to the Dean of Student Affairs.
3. Students are required to turn work in on time. Each assignment has a due date and time assigned to it. It is the student's responsibility to check the due date and time and abide by it. **A strict policy for turning in work is provided. Do not expect to be the exception. Any work turned in after the deadline will automatically receive a grade of zero.**
4. Students are responsible for providing their own computers and printers. Failure to do so is not an excuse for failure to turn in work. This will not be accepted as an excuse for late work. You should plan for computer and internet problems. In other words, do not wait until the last minute to do your assignments. In addition, students are responsible for turning in their assignments in a form that the instructor can read via software capabilities (Microsoft Word or a pdf document are the only acceptable formats). Failure to turn in work according to these instructions will result in a grade of zero for the assignment. **No exceptions will be made. No excuses will be accepted.**
5. Students choosing to take this course accept that they are responsible for understanding the basic use of computers, printers, CANVAS, and the internet. It is not the instructor's responsibility to provide this instruction.
6. The grades in this course are based on a weighted scale (by assignment type). This being said, students need to understand that as the grades are based on a weighted scale, simply adding up the total scores and dividing by the total number of assignments WILL NOT give an accurate picture of one's grade. (See Grading Scale)
7. Students enrolled in this course are expected take each assignment seriously and take pride in their answers and work. Read each question and/or assignment and plan your response in such a way as to answer each portion. ***Please use complete sentences and appropriate punctuation.*** You are expected to appropriately cite any work that you use in your responses. Assignments do not have to include the phrase: Cite Your Work.

Late Work/Extensions:

Late work or extensions are not granted.

Late work and/or extensions are granted due to serious student illness or family death (***only with official documentation***). Excess time is given for every assignment. It is the student's responsibility to complete assignments ***before*** deadlines. One day of illness (even with a medical excuse) will never warrant an extension. *Late work or extensions accepted will receive a reduction in point value based on the length of tardiness.*

Classroom Etiquette:

- Students should be respectful of other students and faculty during class discussions and assignments.
- Students causing a disruption during class or becoming argumentative will be asked to leave and Campus Security may be called.
- Cell Phones and other electronic communication devices (including music) must be silenced and out of site during class.
- Electronics (including phone cameras) may be used at specific times as directed by the instructor.
- No recording of class and/or lectures is permitted without prior instructor approval.

Grading Information:

Grading Scale:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
59% and below	F

Methods of Evaluation:

It should be the goal of each student to show mastery of course content. Tests and quizzes will pertain to information covered in lecture, course resources, and out of class study/practice assignments. If you have not thoroughly mastered course material through study, review and practice, do not expect to receive a 'good' grade. (If you do mediocre work, expect a mediocre grade!)

Assignment Overview & Grade Breakdown:

Category	Description	Points or %
Tests, Quizzes, and Assignments	Evaluations / Graded Assignments (Not all assignments are graded!)	60%
Labs	Labs and Lab Reports	20%
Final Exam	Final Course Exam	20%
	Total Points	100%

Course Calendar:

This Calendar is an estimation of due dates. The actual dates will be posted with each content folder and assignment within your Blackboard Course.

Week	Begin Date	End Date	Objectives & Reading Assignments	Items Due
1	8/8		Course Intro and Safety - Labs	
2	8/19		Ch 1	
3	8/26		Ch 2	
4	9/3		Ch 3 - Labs	
5	9/16		Ch 4	
6	9/23		Ch 5	
7	9/30		Ch 7	
8	10/7		Ch 8 - Labs	
9	10/21		Ch 9	
10	10/28		Review Assignment	
11	11/4		Ch 10	
12	11/11		Ch 11	
13	11/18		Ch 12 - Labs	
14	11/25		Ch 13	
15	11/28		Review - Labs	
16	12/2-7		Review / Finals	
Finals	12/4-5		Final Exam	

Syllabus Disclaimer:

Information contained in this syllabus is, to the best knowledge of this instructor, considered correct and complete when distributed to the student. ***The instructor reserves the right, acting within policies and***

procedures of Lake-Sumter State College, to make necessary changes in course content or instructional techniques without prior notice or obligation to the student.