Lake-Sumter State College Course Syllabus

Course Information:

Course Prefix and Number: CHM1025C

Course Title: Introductory Chemistry with Lab

CRN: 10454

Credit Hours: 4

Semester: Fall 2019

Class Days, Location, Time: VHS - M-F (11:25 am-12:15 pm) Labs as Scheduled

Course Description: An introduction to the elementary aspects of modern chemistry including the concept of chemistry as an experimental science, atomic and molecular structure, chemical bonding in solids and liquids, and properties of gases. The lab component will provide laboratory support for the lecture material.

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 Blackboard 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 MAT 1033 or appropriate math placement score; and successful completion of all developmental writing and reading courses indicated through placement testing.
Co-requisites: None

Textbook & Other Course Materials:

Introduction to Chemistry with Connect 1-Semester Access Card Edition: 5th - Bauer.

Technology Requirements:

Canvas is a required component of this course. Students unfamiliar with Blackboard 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:

- Demonstrate an understanding of significant figures in chemical calculations.
- Demonstrate an understanding of the SI system as it relates to quantification.
- Understand conversion factors, and apply conversion factors for interrelating different units of the SI and English systems of measurement.
- Possesses a working knowledge of the scientific process as it relates to the understanding the world in which we live.
- Understand the structure and components of an atom.
- Apply knowledge to recognize and represent chemical compounds and ions, both by name and formula.
- Apply knowledge to write basic chemical reactions and understand the meaning of the written chemical reaction.
- Understand the concept of moles and molar ratios relative to compounds.
- Understand concepts involving heat/energy changes.
- Define and calculate actual and theoretical yields of chemical reactions.
- Define the gas laws, and apply the gas laws to interrelate pressure, volume, temperature, and molecular mass for ideal gases.
- Understand the concepts of solutions, acids, and bases.
- 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.

For a student to be successful in CHM1025C, the following suggestions should be followed:
Be on time to class.
Bring your book to class each day.
Have access to a scientific calculator for homework, class, and lab (with exponents and logs)
No phones or other electronic devices are to be used during class or lab unless approved or required by the Instructor.
No hats or hoodies
Do your own work… do not copy
Show respect to the Instructor and other students during class and labs
Pick up all papers and trash in class and Lab. Your Lab station must be clean and in order before you leave. This will have a negative impact on your lab grade.
Turn all assignments in on time. There will be a 10% reduction in the earned grade for each class/lab period that an assignment is late.
No leaving class during tests.
Follow ALL lab rules and procedures.
Full shoes MUST be worn during lab sessions. (NO Sandals of any kind during lab.)
Success in Chemistry requires a large time commitment to homework and lab reports. A failure to complete assignments and skimp on lab reports will result in LOW grades and possibly failure.

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.

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 and 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	

Week	Begin Date	End Date	Objectives & Reading Assignments	Items Due
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.