

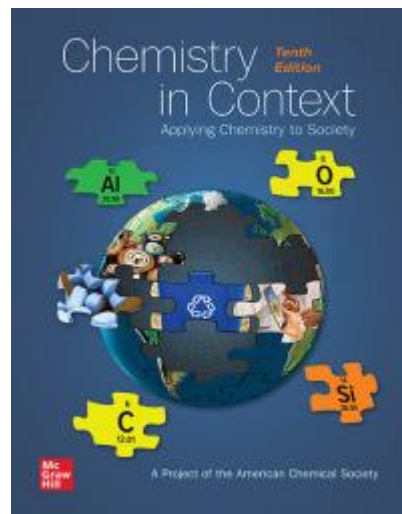
SLS 262 Life Science in Context Lecture

Section 19059/19058 (Spring 2023)

Description

This course connects fundamental issues from the daily world with the respective underlying life-science concepts. It is integrated with and complements the Physical Processes course (SLS 261) by stimulating a perception of an interconnected nature. Through lectures and laboratory work, students will analyze concepts and phenomenon in nature such as the properties of air, pollutants, the chemistry of global warming, acid rain, plastics, and polymers, nutrition, and genetic engineering. The course will develop the student's independent problem/analysis skills while building a global awareness of chemical processes.

The course will follow the outline of the textbook. Chapters 1-14 will be covered with some exceptions. At the end of the course, you should have a fundamental understanding of some of the tools and concepts in the chemical sciences, as well as understand some of their social and economic relevance.



Course Objectives

The main objective of this course is to give you familiarity with the fundamental concepts in chemistry and their applications to our everyday lives and surroundings. By the end of this semester, you should:

- Identify chemical components and their relevance to our surroundings
- Read and understand chemical processes and equations
- Quantify substances using various units, expressions and their conversions
- Describe organic molecules and their relevance to living things
- Describe the properties of matter by applying the fundamental concepts in chemistry that explain the differences

Learning Goals

- Students will demonstrate higher-level critical thinking and quantitative reasoning skills.
- Students will integrate and apply principles of the chemical sciences and mathematics to understand their social and economic relevance.
- Students will demonstrate comprehension and will communicate scientific or mathematical knowledge.

Instructor & Contact Information

Dr. Tiffany Man

Email: tiffany.man@csi.cuny.edu

Office: 6S252 & Zoom

Office hours: by appointment

*Initiate contact by email for questions and concerns, and request appointment. Email will be answered within 24 hours (Monday to Friday)

Materials & Resources

1. Textbook: Chemistry in Context (10th edition), McGraw-Hill, ISBN 978-1260240849
2. Lab manual: Chemistry in context (10th edition), McGraw-Hill, ISBN 978-1260497076
3. Required: Scientific calculator
4. Blackboard access for all online learning activities: You must check it periodically for new updates and new activities.

Grading

Homework: 10 %
Lecture quizzes: 10 %
Exams 20 %
Projects: 20 %
Final Exam: 20 %
Lab: 25 %

No makeup exams unless advanced notice is provided.

Letter Grade

Your letter grade will be assigned according to the following cutlines:

93+ A; 90-92 A-; 87-89 B+; 83-86 B; 80-82 B-; 75-79 C+;
70-74 C; 60-69 D; 0-59 F

Mode of Instruction

In person only. Lecture will meet on Thursday during scheduled class time from 6:30 pm to 9:00 pm in 5N-215. Laboratory will meet on Tuesday 6:30 pm to 8:10 pm in 6S-247.

Course Schedule

Please follow the course schedule. Course schedule is designed with activities by chapters and due dates for most (with some exceptions, listed on the course schedule) are by the end of day Sunday of the week.

Blackboard

All material presented will be available on Blackboard ASAP. Course relevant notifications (announcements), review exercises, assignments etc. will also be posted online and maybe downloaded. It is imperative to check the course Blackboard frequently and to participate in graded activities. All quizzes will be administered through Blackboard.

Quizzes and Exams

There will be a quiz for mostly every chapter, three exams and a cumulative final exam. Quizzes are due by the end of day Sunday of the week. Quizzes are not timed and have 2 attempts

each (only higher grade will be counted). Exams dates will be given ahead of time. Exams are to be taken in person only. The lowest grade or missed exam out of the 3 exams will be dropped.

NOTE: If you will be missing any exams for any reasons, please notify me prior to the start of the exams to schedule a makeup.

Projects

Projects will be assigned, and details will follow. Completing and submitting your projects by due date is mandatory.

Laboratory

Information for the Lab will be provided separately. All lab work will be done in person.

Self-Assessment (WINK sheet)

There will be a self-assessment worksheet as a study guide for chapter 1-11. This is to ensure that you have mastered and achieved the learning outcome for those topics. They do not need to be completed nor submitted.

Homework

Worksheets with activities and/or short free response writing assignment will be given and graded. Materials related to the chapter covered in lecture will be assigned. We will work on some of the activities in class if time permits and are to be completed at home otherwise. For free response, you are to complete the assigned task as described, answer the question in about 10 sentences, in your own words from the understanding of the lecture, *preferably without looking up the answers*. Some written assignments may require some research on the topic.

Submission of Coursework

Lecture assignments are to be submitted on time through Blackboard, scanned or typed in a single PDF or document file. If you have any issues submitting your work on blackboard, please contact me ASAP. These assignments and quizzes are the only method for me to evaluate your performance in class. Completing the assigned work on time will help keep you on track. Late submission maybe penalized by at least 10 % of that assignment's grade.

Withdrawal Policy

According to CSI's Spring 2023 Calendar, the last day to withdraw the course is May 16, 2023 with a grade of W.

Academic Integrity

Academic dishonesty is unacceptable and will not be tolerated. Cheating, forgery, plagiarism and collusion in dishonest acts undermine the educational mission of the City University of New York and the students' personal and intellectual growth. Please see: [Academic Integrity on the CUNY SPS Website](#).

You may share ideas with other students to work on writing assignments, lab assignments, and projects. Work too similar to another student's to be considered your own work will be heavily penalized, may not be graded, or may receive a grade of zero. In addition, you must work independently on your quizzes or exams. Students who receive or give any help during a quiz or examination are considered cheating and will be penalized.

ADA (Americans with Disabilities Act) Policy Statement:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Services for Students with Disabilities.

Campus (Cix) Email

Students are expected to check their campus (cix) email regularly. Students must recognize that certain communications, may be time-sensitive, and they may be required to monitor email on a more frequent basis than determined by instructional needs. If students have issues accessing their campus (cix) email please email the helpdesk@csi.cuny.edu or visit the [Virtual Computer Lab](#).

Tutoring and Academic Assistance

The College offers tutoring to students, free of charge. For a complete list of the Tutoring Centers please visit <https://www.csi.cuny.edu/students/academic-assistance/tutoring>

Technical Requirements

You should have an access to Blackboard. Students are required to have regular, reliable access to a computer with a stable broadband Internet connection to use the accessibility features in Blackboard Collaborate web conferencing.

Technical Help for Blackboard

If you need help with Blackboard and other technology required for the course, please contact Office of Information Technology Services HelpDesk by email: Helpdesk@csi.cuny.edu, phone: 1-718-982-HELP (4357) or website: [Help Support and Resources](#)

Subject to Change Statement

This syllabus and course calendar/schedule are subject to change in the event of extenuating circumstances.