



Chemistry 120 – Section **xxx** Winter 2021 Dual
Enrollment Course– Introduction to Inorganic Chemistry

Course Homepage: <http://moodle.latech/> Select Chemistry 120– Dual Section **xxx**
Winter 2021

High school Instructor: **xxxx xxxx** **Office:** **Room xxx High School**
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Course objective: This dual enrollment course is the first of a series of chemistry courses designed primarily for high school students who have an interest in the subject as it will be applied to future work in allied health careers. It attempts to give the student a general appreciation of the field of general– and inorganic– chemistry with a working knowledge of certain of its more important phases as summarized in course syllabus and course calendar.

Text: [General, Organic, and Biological Chemistry, 7th Edition](#); Stoker; ISBN: 978-1-133-10394-3 and optional purchase of **Study Guide with Selected Solutions for Stoker's General, Organic, and Biological Chemistry, 7th** ISBN-13: 978-1305081079 ISBN-10: 1305081072. **(6th edition has the same chapter outline)**
Follow the link on the course web pages to access text-book website

Supplements: A full copy of dual enrollment CHEM 120 lecture slides, homework, exam review guides and sample exam questions are available online:
<http://moodle.latech.edu/> and following the appropriate menu bars.

Course Evaluation:

The final course grade will be based on a weighted average of your grade for my class (80%) and the average of the 4 online tests, quiz and assignments (20%) from Tech.

LA Tech Component (Online)			
1. Four LA Tech Exams	80% Tech Grade		Computer graded

2. Homework Assignments	10% Tech Grade	Tech Grade (20%)	Computer graded
3. Quizzes	10% Tech Grade		Computer graded
High School Component			
4. HS Class Participation	20% HS Grade	HS Grade (80%)	HS teacher graded
5. High School Exams	80% HS Grade		HS Teacher Graded
Total		Total (100%)	

Course performance:

Students should read chapters, study class notes and slides regularly and punctually on the schedule out line on the course calendar. Taking tests only on test days does not reflect the complete learning/participation/experience provided in this course. Failure to do Quizzes and Assignments on time will lead to fewer points earned for homework grades and, inevitably, lower grades on exams.

Grading Policy:

Grading Scale: A = 100 – 90% B = 89 – 80% C = 79% – 70% D = 69% – 60% F = below 60%

Tests: There will be four hourly exams given online as scheduled in the calendar (check with your high school chemistry teacher for exact date). There will be Four unit tests given in class. Standard make-up rules apply.

Helpful Hints for Learning General Chemistry:

- 1.Survey the assigned material for overall concepts before starting OWL assignments–meaning SKIM READ RELEVANT SECTIONS IN THE BOOK or e-BOOK!
- 2.Go back and read the same material for comprehension focusing on unclear areas.
- 3.Work problems within the chapter during a second reading.
- 4.Go online and read chapter lessons before you attempt/complete assignments.

5. Reread any remaining unclear areas again focus is to performing better in tests.
6. Work problems, and work problems within lesson plans and at the end of the chapter. Work until you fully comprehend the concept.

Course Activities:

Online tasks:

- Finding and printing assignments, slides, and lecture notes.
- Reading or downloading online resources such as library materials & web sites
- e-mail questions to the professor or teacher

Off-line tasks:

- Reading assignments, textbooks, articles, etc.
- Working on end of the chapter question in the textbook
- Synthesizing materials and crafting outlines
- Making a file collecting all your papers for records and to show authenticity of your work.

Code of Student Conduct:

Complete honesty in all matters pertaining to this course is required as outlined in the Louisiana Tech University Bulletin (catalog) and the Louisiana Tech Honor Code. You must not attempt to copy or download the official online TESTS, or share questions from these tests with other persons. You must not use your textbook while taking an official test and TEST must be taken independently without any outside assistance. No browsing allowed during the TEST and history will be recorded. Any academic misconduct, whether premeditated or unpremeditated (as defined in the *Code of Student Conduct*), will be reported to the Office of the Dean of Students for appropriate actions. In addition, you must adhere to all tenets of the Delhi Charter School Honor Code.

Materials covered:

Unit/ Module 1: **Test 1**

1. Basic Concepts About Matter.
2. Physical States of Matter.
3. Atomic Structure and the Periodic Table

Unit/ Module 2 **Test 2**

4. Chemical Bonding: The Ionic Bond Model.
5. Chemical Bonding: The Covalent Bond Model.

Unit/ Module 3: **Test 3**

6. Chemical Calculations: Formula Masses, Moles, and Chemical Equations.

7. Gases, Liquids, and Solids.
8. Solutions.

Unit/ Module 4: **Test 4**

9. Chemical Reactions.
10. Acids, Bases, and Salts.
11. Nuclear Chemistry.

Changes on this syllabus:

Schedules on this syllabus are not contractual and may be changed by the instructor when it becomes necessary to do so as determined by the instructor. However, any changes that are deemed necessary to be made will be communicated orally to the students during lecture. Therefore, it is a requirement that students attend class on time or make themselves responsible for informing themselves of any changes made by the instructor during lectures, even if absent on the day the change is announced.

Last revised: January 12, 2021