LOUISIANA TECH UNIVERSITY	Chemistry 121 – Section xxx, Winter 2021 Dual Enrollment Course– Introduction to Inorganic Chemistry

Course Homepage: http://moodle.latech/ Select Chemistry 121– Dual Section xxx Winter 2021

High school Instructor: xxxx xxxx **Office**: Room xxx High School Address

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Course objective: This dual enrollment course is the second (**students should complete CHEM 120 before taking this course**) 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 organic- and bio-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 (80%) for my HS participation, online quiz & assignments and HS Tests. and the average (20%) of the 4 online tests from Tech

LA Tech Component (Online)			
1. Four LA Tech Exams	100% Tech Grade	Tech Grade (20%)	Computer graded
High School Component (Online & HS)			
2. HS Class Participation	20% HS Grade	HS Grade (80%)	HS teacher graded
3. **Homework Assignments & Quizzes (online)**	20% HS Grade		Computer graded
4. High School Exams	60% 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 Organic-Biochemistry:

1.Survey the assigned material for overall concepts before starting quizzes and assignments- meaning SKIM READ RELEVENT 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:

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Chapter	Title

Unit/ Module 1: Test 1

12. Saturated Hydrocarbons
13. Unsaturated Hydrocarbons

Unit/ Module 2: Test 2

14. Alcohols, Phenols, and Ethers
15. Aldehydes and Ketones
16. Carboxylic Acids, Esters, and Other Acid Derivatives

Unit/ Module 3: Test 3

17. Amines and Amides
18. Carbohydrates
19. Lipids

Unit/ Module 4: Test 4

20. Proteins
21. Enzymes and Vitamins*(optional)
22. Nucleic Acids

Self Study

23. Biochemical Energy Production**(optional)
24. Carbohydrate Metabolism**(optional)

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 instructors. However, any changes that are deemed necessary to be made will be communicated orally to the students during class. 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 lecture, even if absent on the day the change is announced.

Last revised: January 1, 2021