

 LOUISIANA TECH UNIVERSITY	Chemistry 121 – Section xxx , Winter 2019–20 Dual Enrollment Course– Introduction to Inorganic Chemistry
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Course Homepage: <http://moodle.latech/> Select Chemistry 121– Dual Section **xxx** Winter 2019–20

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

Phone: **xxx-xxx-xxxx** **E-mail:** **xxxx@xxxx.xxx**

Instructor of Record: Dr. Upali Siriwardane **Office:** 324 Carson Taylor Hall

Phone: 318–257–4911 or 318–278–2272 (cell) **E-mail:** Upali@latech.edu

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

<u>LA Tech Component (Online)</u>			
<u>1. Four LA Tech Exams</u>	<u>100 % Tech Grade</u>	<u>Tech Grade (20%)</u>	<u>Computer graded</u>
<u>High School Component (Online & HS)</u>			
<u>2. HS Class Participation</u>	<u>20% HS Grade</u>		<u>HS teacher graded</u>
<u>3. Homework Assignments & Quizzes (online)</u>	<u>20% HS Grade</u>		<u>Computer graded</u>

4. High School Exams	<u>60% HS Grade</u>	<u>HS Grade (80%)</u>	HS Teacher Graded
<u>Total</u>		<u>Total (100%)</u>	

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 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:

Materials covered:

Chapter	Title
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Unit/ Module 1: Test 1	
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| 12. | Saturated Hydrocarbons |
| 13. | Unsaturated Hydrocarbons |

Unit/ Module 2: Test 2	
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| 14. | Alcohols, Phenols, and Ethers |
| 15. | Aldehydes and Ketones |
| 16. | Carboxylic Acids, Esters, and Other Acid Derivatives |

Unit/ Module 3: Test 3	
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| 17. | Amines and Amides |
| 18. | Carbohydrates |
| 19. | Lipids |

Unit/ Module 4: Test 4	
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| 20. | Proteins |
| 21. | Enzymes and Vitamins*(optional) |
| 22. | Nucleic Acids |

Self Study

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| 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, 2020