

CHEM 121 – Section (XXX), Fall 2012, XXXX

Introduction to Organic and Biochemistry

XXX High School and Louisiana Tech Dual Enrolment Course

Instructor: (High School Instructors name) **Office:** xxxxxx **Phone:** xxxxx

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Course Homepage: <http://moodle.latech.edu/> and follow instructions.

Course objective: This is the second of a series of chemistry courses designed primarily for students who have an interest in the subject as it will be applied in their future work in math, science, allied health, engineering and medicine. 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.

Textbook: **General, Organic, and Biological Chemistry**, 5th Edition H. Stephen Stoker ISBN-10: 0547152817 ISBN-13: 9780547152813 and also purchase the solution manual.

Student Solutions Manual: ISBN-10: 054716808X | ISBN-13: 978054716808. Follow the link on the course web pages to access text-book website.

Supplements: A copy of chapter notes, lessons plans, slides, 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 score of 1000 pts. and converted to % (NO CURVE).

High School Portion	80%	
1. Quizzes:	20%	200 pts. (50%)
2. Assignments	10 %	200 pts. (50%)
3. Tests:	40%	400 pts. (20%)
Louisiana Tech Portion	20%	
4. Four Tests:	20% (@ 50 pts. each)	200 pts. (50%)
5. Optional Comprehensive Final Test:	Will replace two regular tests lower scores	
Course Total		1000 pts. (100%)

Grading Policy:

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

Tests: There will be regular four test and **an optional comprehensive make-up** test prepared by Louisiana Tech which count 20% to your grade The high school instructor (name: xxxxx) will be giving quizzes, assignments and test administered on regular basis which will count 80% to your grade..

Helpful Hints for Learning Organic and Biochemistry:

1. Survey the assigned material for overall concepts before starting online reading, quizzes and assignments-meaning **SKIM READ RELEVANT SECTIONS IN THE BOOK!**
2. Go back and read the same material for comprehension focusing on unclear areas.
3. Work problems within the chapter during this second reading.
4. Go online and read chapter lessons before your take quizzes and assignments.
5. Reread any remaining unclear areas.

6. Work problems, and work problems within lesson plans and at the end of the chapter. Work until you fully comprehend the concept.
7. If you are still unclear about a concept, e-mail and send a question to discussion as you study but NOT on the day of the quiz, assuagement are due, or the day before the exam (by then it will be too late for you to truly absorb the material).

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 students. You must not use your textbook while taking an official test and TEST must be taken independently without any outside assistance. 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.

Materials covered:

Chapter	Title
<u>Test 1</u>	
12.	Saturated Hydrocarbons
13.	Unsaturated Hydrocarbons
14.	Alcohols, Phenols, and Ethers
<u>Test 2</u>	
15.	Aldehydes and Ketones
16.	Carboxylic Acids, Esters, and Other Acid Derivatives
17.	Amines and Amides
<u>Test 3</u>	
18.	Carbohydrates
19.	Lipids
20.	Proteins
<u>Test 4</u>	
21.	Enzymes and Vitamins
22.	Nucleic Acids
23.	Biochemical Energy Production
<u>Optional Self Study</u>	
24.	Carbohydrate Metabolism
25.	Lipid Metabolism
26.	Protein Metabolism

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