Chemistry 121 - Section 084, Winter 2014-15, Online course
Introduction to Organic Chemistry and Biochemistry

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Course Homepage: http://moodle.latech/ Select Chemistry 121 – Online Section 084, Winter 15

Course objective: This online course is the second of a series of chemistry courses (CHEM 120 and CHEM 121) designed primarily for non-science majors who have an interest in the subject as it will be applied to their future work in allied health careers. It attempts to give the student a general appreciation of the field of organic and biochemistry 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**, 6th Edition ; Stoker; ISBN: 978-1-133-10394-3 and also purchase **Study Guide with Selected Solutions for Stoker's General, Organic, and Biological Chemistry, 6th** ISBN-10: 1-133-10423-1 , ISBN-13: 978-1-133-10423-0 Follow the link on the course web pages to access text-book website.

OWL: Students are required to buy access to **OWL (Online Web-bases Learning)** program offered by Brooks/Cole's Thompson Learning Website if the access code didn't come with the textbook. You will be earning (50% points) towards your grade based on your participation on OWL system activities.

Text e-book and OWL Bundled package:
e-book of Stoker's General, Organic, and Biological Chemistry, 6th bundled with OWL could also be purchased at the bookstore or the or online.

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.

Molecular model kits: To be used in class and examinations to aid in the understanding of stereochemistry. http://www.indigo.com/models/gphmodel/organic-chemistry-model-set-62053.html

Supplements: A full copy of my class lecture slides, homework, exam review guides and sample exam questions are available online: http://moodle.latech.edu/ and following the appropriate menu bars.

Molecular model kits: To be used in class and examinations to aid in the understanding of stereo-chemistry.

Supplements: A full copy of my class 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 score of 1000 pts. and converted to % (NO CURVE).

1. Four 1 hr online Tests:	50% (@ 125 pts. each)	500 pts. (50%)
2. Comprehensive Make-up Test:	@125 pts. will replace one of the lowest test scores	
3. OWL Concept Mastery (CM):	20% (@10 pts. each)	200 pts. (20%)
4. OWL EOC- Assignments:	30% (@15 pts. each)	300 pts. (30%)
Course Total		1000 pts. (100%)

OWL Assignments (50%) for the grade:
OWL assignments are divided into **Concept Mastery (CM)** assignments and **End-Of Chapter EOC**-assignments and can be accessed through moodle via a link to OWL website (directly at http://www.cengage.com/OWL/) OWL provides interactive help and more questions in case you need more practice.

Course performance:
You should read chapters, study class notes and slides regularly and punctually on the schedule out lined on the course calendar. Taking tests only on test days does not reflect the complete learning/participation/experience provided in this course. The points you earned for the in OWL CM and EOC- assignments also reflect your class participation/experience. Failure to do then on time without proper excuses will lead to losing points for OWL CM and EOC- assignments you missed and may lead to a lower grade for you in this course.

Grading Policy:
Grading Scale: A = 100 - 90% B = 89 - 80% C = 79 - 70% D = 69 - 60% F = below 60%
Grades will be posted on Moodle:

Grades will be posted under moodle grade book for CHEM 121 (084) summer 2014. OWL assignment should be done on the times specified on the calendar and it is your responsibility to keep track of them in OWL grade reports and to show that you have completed them.

Tests (50% to your grade): There will be four hourly exams class and a comprehensive make-up test. Contact me before an exam by e-mail or 257-4941 if you will miss an exam due to a University allowed absence. Only University allowed absences will be eligible for making up a test, submitting OWL assignments late without a penalty or dropping them you should send me a dated proof within two days of the missed work. Only under special circumstances a missed OWL assignments can be factored out of your final grade %.

Hourly Exams: Test 1: **Dcember 19**, **2014**, Test 2: **January 26, 2015,** Test 3: **February 13, 2015 and** Test 4**: March 2**, **2015**; Comprehensive Make Up Exam (optional): **March 3**, **2015,** at specified time at Tech Testing and Career Center or with an approved proctor. Proctor approval forms are available on moodle.

Tech Ruston campus Counseling Center details:

Louisiana Tech Counseling Services and Career center, Wyly Tower 320B

Please contact Ms. Jennifer D. Tyree and arrange a time in advance for a time that you can take the test.

Her contact information is

Ms. Jennifer D. Tyree, Phone: Call 318-257-4882 or 318-257-2969 e-mail: testinglab@latech.edu

NOTE: For all exams you must bring the following: your **Tech student ID**, Test allowed material, a calculator and/or molecular model kit.

Concept Mastery and Assignments: There will be about 20 OWL Concept Mastery Activities -- about 2 per chapter -- worth 20 points each. Each Concept Mastery section will consist of a simple question pertaining to the material you have read on day you are assigned to study. Why a Concept Mastery Activities every day? 1) this requires you to read and complete tasks where you will learn more following the instructions; 2) this assures me that you will be paying attention to concepts and learning the course material; 3) how well you do on the mastery activities lets me know how well you are learning.

Concept Mastery(CM): Optimally be completed on: **December 8 (CM 12a), December 10 (CM 12b), December 12 (CM 13a), December 15 (CM 13b), January 5 (CM 14a), January 7 (CM 14b), January 12 (CM 15a), January 14 (CM 15b); January 16 (CM 16a), January 21 (CM 16b), January 28 (CM 17a), January 30 (CM 17b), February 2 (CM 18a), February 4 (CM 18b), February 6 (CM 19a), February 9 (CM 19b), February 19 (CM 20a), February 20 (CM 20b), February 23 (CM 22a); February 23 (CM 22b), February 23 (CM 21a)(extra-credit),** and **February 23 (CM 21b)(extra-credit)** before **2:00 AM.** (Just after mid-night of the specified date on the OWL).

OWL-EOC- Assignments : There will be 11 OWL homework assignments to check your understanding of chapter materials based on end of the chapter questions. **Your OWL-EOC- Assignments done late (without justification) will lose 10% points per day past the due date.** The due date for the OWL assignments as found on course calendar means that the homework is due on that day before 3:00 AM.

OWL-EOC- Assignments: Optimally be completed on: **December 10 (EOC-12), December 17 (EOC-13), January 9 (EOC-14), January14 (EOC-15), January 23 (EOC-16), January 30 (EOC-17), February 4 (EOC-18), February 11 (EOC-19); January 20 ((EOC-20), February 25 (EOC-22),** and **February 25 (EOC-21) (extra-credit)** before **2:00 AM**. (Just after mid-night of the specified date on the OWL).

Helpful Hints for Learning General Chemistry:

1. **Survey the assigned material for overall concepts before starting OWL 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 your take OWL 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.**
7. **If you are still unclear about a concept, e-mail/phone and send a question for discussion as you study but NOT on the day of the OWL assuagement are due, or the day before the tests (by then it will be too late for you to truly absorb the material).**

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

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.

Materials covered:

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

*** Optional Study**

Important Dates During the Winter 2014-15 Quarter:

December 3	Classes begin
December 19	Christmas holiday Begin at the end of classes
January 5	Christmas holiday Ends classes resume @ 8:00 a.m.
January 5	Classes resume, 8:00 a.m.
January 19	ML King Jr., holiday
January 20	Classes resume, 8:00 a.m.
February 6	Last day to drop courses or resign with "W" grades
February 13	Mardi Gras holiday begins @ end of classes
February 19	Mardi Gras holiday ends. Clases resume @ 8:00 a.m.
March 3	Grades for graduating students due on BOSS

March	3	Last day of classes
March	6	Grades “live” on Student BOSS
March	7	Commencement Day 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.