**Chemistry 121 - Section 08x, Fall 2011, xxxx High School and Louisiana-Tech**

**Dual Enrolment Course**

**Introduction to Organic Chemistry and Biochemistry**

**Instructor**: High School Teacher **Office**: xxxxxx **Phone**: xxxxx **Office**: xxxxx

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**Course Homepage**: http://138.47.34.142/moodle/ or <http://moodle.latech.edu/> (once everybody is enrolled)

**Course objective**: This online course is the second of a series of chemistry courses designed primarily for non-science majors 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 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.

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

**Course Resources**: A copy of chapter notes, lessons plans, slides, sample exam questions are available online: : http://138.47.34.142/moodle/ and following the appropriate menu bars. Please request a user name and password by sending email to Upali@latech.edu.

**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% (@ 10 pts. Each) | 200 pts. (50%) |
| 2.     Assignments | 10 % (@ 15 pts. Each) | 200 pts. (50%) |
| 3.     10 Tests: | 40% (@ 40 pts. each) | 400 pts. (20%) |
| **Louisiana Tech portion**  | 20% |  |
| 4.     Four Tests: | 20% (@ 50 pts. each) | 200 pts. (50%) |
| 5.    Optional Comprehensive Final Test:  | @ 100 pts. will replace two regular tests with lower scores |  |
|  Course Total |  |  1000 pts. (100%) |

**Course performance**:

You should read, study class notes, submit quizzes and assignments regularly and punctually on time and dates given on the calendar and announcements. Taking tests only on test days does not reflect the complete learning/participation/experience provided in this online course. The points you earned for the in quizzes and assignments reflect your class participation/experience. Failure to do so without proper excuses will lead to losing points for quizzes and 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% No Curve!!!

**Grades will be posted on Moodle**:

Grades will be posted under Course Information for CHEM 120 on [Moodle.](http://138.47.34.142/moodle/) Quiz and assignment should be done on the times slots specified and it is your responsibility to print, date and keep them in a course folder to show that you have completed them and to use as study material for the exam. Answer keys will be sent to you in e-mail or posted on the on the blackboard.

**Tests**: There will be regular four exams and an optional comprehensive final  make up exam. If you going to miss an exam due to a High School/University allowed absence, contact the (high school teacher) by e-mail or phone (xxx-xxx) before the time for taking exam has expired. Only allowed absences will be eligible for making up a quiz, assignment or test without penalty [you should send the high schoolinstructor a dated proof within two days of the missed work. Only under special circumstances a missed quizzes, assignments, tests, etc. can be factored out of your final grade %.

**NOTE**: **If you are taking paper based tests Students** need to bring: your student ID, a small green Scantron sheet xxx-x, sharpened pencils, and a calculator.

 **Quizzes**: There will 20 online quizzes -- about 2 per chapter -- worth 10 points each. Each quiz will consist of a simple question pertaining to the material you have read on the day you are assigned to study. Why a quiz every day? 1) this requires you to read and complete tasks where you will learn more material following the instructions given; 2) this assures teachers that you will be paying attention to concepts and learning the course material; 3) how well you do on the quiz lets me know how well you are learning.

**Quizzes**: On : **March 11(Q1), 13(Q2), 16(Q3), 18(Q4), 20(Q5), 27(Q6), 30(Q7); April 1(Q8), 3(Q9), 10(Q10), 15(Q11), 17(Q12), 20(Q13), 22(Q14), 24(Q15); May 1(Q16), 4(Q17), 6(Q18), 8(Q19), 11(Q20),** before **24:00 pm.** (mid-night)

**Assignments**: There will be 10 graded homework assignments. Each student must submitted on their own the online homework assignment. Assignments are available online through Moodle and your answers for assignments will be shown along with correct answers once the deadline for assignment is passed.

**Assignments**: On: **March, 12(A1), 23(A2); April, 1(A3), 6(A4), 20(A5), 27(A6); May, 6(A7), 13(A8)**

before **24:00 pm**. (mid-night)

**Louisiana Tech Tests**

**Louisiana Tech Tests**: Test 1: **March 25,**  Test 2: **April 8,**  Test 3: **April 29,**  Test 4: **May 15,**  Optional Final Test: **May 22, 2009,** before **a specified time.**

**For high Students** test will be given to you in person on moodle at a time set by the high school teacher on the dates listed above

**Non-graded assignments**: There will also be non-graded text-book end of the chapter problems assigned. It is **very important** that you do the non-graded text book problems because questions based on these will also appear on the exams. If after attempting on your own, using solution manual you have any trouble with the graded or non-graded homework problems, you should contact me by e-mail or phone!

**Helpful Hints for Learning General and Inorganic Chemistry:**

**1.     Survey the assigned material for overall concepts before starting online reading, quizzes and assignments-meaning SKIM READ RELEVENT 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).**

**Outside Class 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 interaction with professor

**Off-line tasks**:

• Reading assignments, textbooks, articles, etc.

• Working on problems

• Synthesizing materials and crafting outlines

• Making a file collecting all your papers 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 students. You must not use your textbook while taking an official test and TETS must be taken independently without any outside assistance using only allowed material. 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**

**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**
21.                 Enzymes and Vitamins
23.                 Biochemical Energy Production

24.                Carbohydrate Metabolism
25.                Lipid Metabolism
26.                Protein Metabolism

**Important Dates During the Fall 2011 Quarter:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sep** | 7  | W  | **FALL QUARTER 2011 BEGINS**  |
|  | 8  | R  | **CLASSES BEGIN**  |
| **Oct** | 28  | F  | Last day to drop courses or resign w/ “W” grades (“F” grades after this date). (F, Wk 8)  |
| **Nov** | 16  | W  | Degree candidate grades due on Faculty BOSS  |
|  | 17  | R  | **LAST DAY OF CLASSES**  |
|  | 19  | S  | Fall Commencement Exercises, Thomas Assembly Center: 2:00 p.m.  |
|  | 19  | S  | **FALL QUARTER 2011 ENDS**  |
|  | 21  | M  | All other grades due on Faculty BOSS  |
|  | 22  | T  | Grades “live” on Student BOSS  |
|  | 24-25  | R-F  | **THANKSGIVING HOLIDAYS**: University Closed |

**Important Dates During the Winter 2011 Quarter:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Nov** | 24-27  | R-U  | **THANKSGIVING HOLIDAYS:** University Closed  |
|  | 29  | T  | **WINTER QUARTER 2012 BEGINS**  |
|  | 30  | W  | **CLASSES BEGIN**  |
|  | 30  | W  | Late Registration and Drop/Add begins.  |
| **Dec** | 20  | T  | **CHRISTMAS HOLIDAYS BEGIN @ end of classes:** University Closes  |
| **Jan 2012** | 3 | T | Residence Halls open: 1:00 p.m. |
|  | 4  | W  | **CHRISTMAS HOLIDAYS END.** Classes resume @ 8:00 a.m.  |
|  | 16  | M  | **ML KING, JR. Birthday Observance**: University Closed  |
|  | 17  | T  | **ML KING, JR. Birthday Observance ends.** Classes resume @ 8:00 a.m.  |
| **Feb** | 3 | F | Last day to drop courses or resign with “W” grades (“F” grades after this date) |
|  | 17  | F  | **MARDI GRAS HOLIDAY BEGINS @ end of classes:** University Closes  |
|  | 22  | W  | University Offices Reopen  |
|  | 23  | R  | **MARDI GRAS HOLIDAY ENDS.** Classes resume at 8:00 a.m.  |
|  | 28 | T | **LAST DAY OF CLASSES** |
| **Mar** | 2  | F | Residence Halls close: 12:00 noon  |
|  | 2  | F  | Grades “live” on Student BOSS |
|  | 3  | S  | **WINTER QUARTER 2012 ENDS** |  |

**Important Dates During the Spring 2011 Quarter:**

|  |  |  |  |
| --- | --- | --- | --- |
| Mar | 6  | T  | **SPRING QUARTER 2012 BEGINS**  |
|  | 7  | W  | **CLASSES BEGIN**  |
|  | 5  | R  | **EASTER HOLIDAY BEGINS @ end of classes:** University Closes  |
|  | 9  | M  | **EASTER HOLIDAY ENDS.** Classes resume @ 5:00 p.m.  |
|  | 27  | F  | Last day to drop courses or resign with “W” grades. (“F” grades after this date) |
| May | 18  | F  | **LAST DAY OF CLASSES**  |
|  |  | 19  | S  | **Spring Commencement Exercises,** Thomas Assembly Center: 2:00 p.m.  |
|  |  | 19  | S  | **SPRING QUARTER 2012 ENDS**  |
|  |  | 23  | W  | Grades “live” on Student BOSS |

**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 to the students on blackboard.  Therefore, it is a requirement that students regularly check blackboard announcements and  becoming aware of any changes made by the instructor during the execution of the course..

**Last revised:  August 15, 2011**,