

Chemistry 121 - Section V84, Winter 2017, Online Course Introduction to Organic and Biochemistry

Course Homepage: <http://moodle.latech/> Select Chemistry 121– V84-Winter-17

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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- and bio-chemistry with a working knowledge of certain of its more important phases as summarized in course syllabus and course calendar.

Text: **Stoker - Bundle: General, Organic, and Biological Chemistry, 7th + OWLv2**

Quick Prep for General Chemistry, 4 terms (24 months) Printed Access Card
9781305717534

Students are required to buy access to [OWLv2 \(Online Web-bases Learning\)](#) and e-book 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 OWLv2 Bundled package:

e-book of Stoker's General, Organic, and Biological Chemistry, 7th bundled with OWLv2 could also be purchased 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.

Course Evaluation: The final course grade will be based on a score of 1000 pts. and converted to % (NO CURVE)

1. Four 1.5 hrs. online Tests:	40% (@ 100 pts. each)	400 pts. (40%)
2. Comprehensive Make-up Test:	@ 100 pt. will replace one of the lowest test scores	
3. OWLv2 Concept Mastery (M):	20% (@ 20 pts. each)	200 pts. (20%)
4. OWLv2 EOC- Assignments:	30% (@ 30 pts. each)	300 pts. (30%)
5. Class Participation: Moodle Quiz & Assignments	10% (@ 10 pts. each)	100 pts. (10%)
Course Total	100%	1000 pts. (100%)

OWL2v Assignments:

Chapter Mastery (CM) assignments and end-of chapter EOC- assignments accessed through moodle via a link to OWL website (directly at <http://www.cengage.com/>) 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 120 (V84) Winter 2017. OWLv2 assignment should be done on the times specified on the calendar and it is your responsibility to keep track of them in OWLV2 grade reports and to show that you have completed them.

Tests: 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 OWLV2 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 OWLV2 assignments can be factored out of your final grade %.

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

Hourly Exams: Test 1: **December 16, 2016**, Test 2: **January 23, 2017**, Test 3: **February 10, 2017** and Test 4: **February 22, 2017**; Make Up Exam (optional): **February 23, 2017**, at specified time and day at on the calendar. Password will be sent you by e-mail and tests are only open at specified times. Tech

Test allowed material, a calculator and/or molecular model kit.

Concept Mastery and Assignments: There will be about 4 OWL Concept Mastery Activities – each containing 2-3 chapters -- 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.

OWLv2 Mastery(M) assignments: On_: (Just after mid-night (2:00 AM) of the specified date).

OWLv2-EOC- Assignments: There will be 4 OWLv2 homework assignments each containing 2-3 chapters -- worth 30 points each- to check your understanding of chapter materials based on end of the chapter questions. **Your OWLv2-EOC- Assignments done late (without justification) will lose 10% points per day past the due date.** The due date for the OWLv2

assignments as found on course calendar means that you need to do them regularly their latest deadline the day specified in OWLv2 before 12:00 AM.

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

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

Self Study

- 23. Biochemical Energy Production**(optional)
- 24. Carbohydrate Metabolism**(optional)
- 25. Lipid Metabolism**(optional)
- 26. Protein Metabolism**(optional)

Important Dates During the Winter 2016-17 Quarter:

November	30	Classes begin
December	16	Christmas holiday Begin at the end of classes

January	4	Christmas holiday Ends classes resume @ 8:00 a.m.
January	5	Classes resume, 8:00 a.m.
January	16	ML King Jr., holiday
January	17	Classes resume, 8:00 a.m.
February	3	Last day to drop courses or resign with "W" grades
March	1	Grades for graduating students due on BOSS
February	23	Last day of classes
February	25	Commencement Day
February	28	Grades "live" on Student BOSS

Academic Misconduct and the Honor Code:

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 (<http://www.latech.edu/documents/honor-code.pdf>). 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 unauthorized material 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 if you are taking an online test. 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.

Disability Services:

In order to serve the students with disabilities there are guideline and services provided by the Office of Disability Services of Louisiana Tech University. Students with disabilities should request the instructor to obtain extra help they needed to complete the course successfully: <http://www.latech.edu/students/ods/accommodation1.shtml>

Emergency Notification System (ENS):

Please enroll in the **Emergency Notification System** and keep your contact information current on BOSS. Louisiana Tech Louisiana Police will send all members of the campus community to take precautions during emergencies and severe weather. Anyone in need of on-campus assistance should call Louisiana Tech Police at 257-4018.

Counseling Services

This center offers a variety of study improvement programs to assist you in maintaining academic success. Please consult this site if you are you have concerns that might affect your some academic performance:

<http://www.latech.edu/students/counseling/index.shtml>.

Changes on this syllabus:

Dates scheduled on this syllabus are not contractual and testing and class schedules may be changed by the instructor when it becomes necessary due to unforeseen events. However, any changes that are deemed necessary to be made will be communicated orally to the students during lecture and updated on the course calendar. Therefore, the students who did not attend a class should ask the instructor of any changes announced by the instructor during a lecture they missed.

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