

Instructor: Dr. Evan P. Hurley
Office: Fugitte Science Center room 317
Email: hurleye@lindsey.edu
Office Phone: (270)-384-8091

Office hours: M: 11:30-13:00; T: 17:00-18:00; W: 11:30-12:30, 17:00-18:00; R: 8-12:30; F: 11:30-12:30.

Course description: Lecture presents the chemistry of carbon compounds: alkenes, alkynes, alkyl halides, alcohols, ethers, and esters. Also includes nomenclature, preparations, reactions, reaction mechanisms, and stereochemistry. Must be taken concurrently with the associated lab CHEM 3312. **Prerequisite:** CHEM 1224 with a minimum grade of C. Course rotation: Fall.

Course goals:

1. To become sufficiently versed in Organic Chemistry theory and practical application that a student can successfully complete a health-related standardized test for admission into graduate school. (GRE-PCAT-DAT-MCAT)
2. To be able to apply Organic Chemistry theory to daily (biological) life---as your careers are focused here.
3. To be able to assimilate cumulative knowledge of increased complexity of systems into your understanding of the biological world around you.
4. To prepare you for Organic Chemistry II and eventually Biochemistry.

Course meeting times and location: Section 1 (M01): 9:30-10:20 a.m.; Section 2 (M02): 10:30-11:20 a.m., both in Fugitte 214.

Textbook: Organic Chemistry, 8th edition by John McMurry (ISBN-13: 978-0-8400-5444-9; ISBN-10: 0-8400-5444-0).

Course Requirements:

| <u>Item</u> | <u>Points available</u> | <u># of items counted</u> | <u>Total points possible</u> |
|-------------|-------------------------|---------------------------|------------------------------|
| Quizzes | 10 | 15 | 150 |
| Exams | 100 | 5 | 500 |
| Final exam | 150 | 1 | 150 |
| Total | - | - | 800 |

Quizzes (18.75%): I will give short (approx. 10-15 min.) quizzes fairly regularly to test your knowledge of the concepts covered in lecture and in the textbook. Each quiz will be worth 10 points. I will only count your best fifteen scores toward the final grade. **You should be prepared**

Exams (62.5%): There will be a total of six exams, and each exam will be worth 100 points. I will only count your five best exam scores toward the final grade.

Final exam (18.75%): The final exam is *cumulative* (Chapters 1-18 in textbook and general chemistry) and is worth 150 points.

Homework: Weekly homework assignments will be posted to Blackboard along with answer keys. Homework is *not* graded and is intended for your own practice. However, questions on quizzes and exams will be drawn from the pool of homework questions.

Grading:

| <u>Total amount of points</u> | <u>Grade</u> |
|--------------------------------------|---------------------|
| 720-800 | A |
| 640-719 | B |
| 560-639 | C |
| 480-559 | D |
| < 480 | F |

Class Attendance and Student Success: At Lindsey Wilson College, students are responsible for regular class attendance, in-class participation, and completion of assignments. When a pattern of excessive absence or other unsatisfactory performance occurs, the instructor will take one or more of the following actions: Request the student make special arrangements to improve his or her performance (e.g., meeting with a tutor); Enter the student in the Early Warning System (EWS), a system in which the student's instructor, academic or freshman advisor, Academic Affairs office, Student Affairs office, and coach (if the student is an athlete); Place the student on attendance probation, whereby an additional unexcused absence would result in a grade of F for the course; and Contact the student's parent(s)/legal guardian about continuing problems if the student has given written permission for contacts.

Make-up policy for Quizzes/Exams/Final exam: *Quizzes:* any quiz for which you are absent counts as a zero. There are no make-up quizzes. *Exams:* you may take an exam up to 3 days early or you may take a make-up exam after 3 days of the test date with my permission only. After the 3rd day, there will be an essay-based exam. *Final exam:* no make-up policy. For students participating in athletics, I will deal with your situation on an individual basis.

Education statement: This course is required for content preparation in Bachelors of Science in Biology Education (8-12) and prepares teacher candidates with the knowledge base required in the Kentucky Core Academic Standards and the College Career Readiness Standards. The Conceptual Framework of the Education Programs, "Teacher as Leader for the 21st Century", is incorporated. The division of Natural and Behavioral Sciences works with the Education Program in preparing teacher candidates with the knowledge base required to meet Kentucky Teacher Standard I and the Education Program Student Learning Outcome for Content Knowledge. Teacher Candidates will be equipped to teach K-12 students and meet requirements

Academic Integrity (from the LWC handbook): Academic integrity is essential to the existence of an academic community. Every student is responsible for fostering a culture of academic honesty, and for maintaining the integrity and academic reputation of Lindsey Wilson College. Maintaining a culture that supports learning and growth requires that each student make a commitment to the fundamental academic values: honesty, integrity, responsibility, trust, respect for self and others, fairness and justice.

To foster commitment to academic integrity, faculty are asked to require each student to place and sign the following Honor Code on tests, exams and other assignments as appropriate: On my honor as a student, I have neither given nor received any unauthorized aid on this assignment/exam.

Violations of the academic integrity policy include cheating, plagiarism or lying about academic matters. Plagiarism is defined as any use of another writer's words, concepts, or sequence of ideas without acknowledging that writer by the use of proper documentation. Not only the direct quotation of another writer's words, but also any paraphrase or summary of another writer's concepts or ideas without documentation is plagiarizing that writer's materials. Academic dishonesty is a profoundly serious offense because it involved an act of fraud that jeopardizes genuine efforts by faculty and students to teach and learn together. It is not tolerated at Lindsey Wilson College.

Students who are determined to have plagiarized an assignment or otherwise cheated in their academic work or examinations may expect an "F" for the activity in question or an "F" for the course, at the discretion of the instructor. All incidents of cheating or plagiarism are reported by the instructor to the Academic Affairs Office along with copies of all relevant materials. Each instance of cheating or plagiarism is counted separately. A student who cheats or plagiarizes in two assignments or tests during the same semester will be deemed guilty of two offenses. If the evidence is unclear, or if a second offense occurs, the VP for Academic Affairs or Associate Dean will work in cooperation with the Dean of Students to move the student before the campus Judicial Board for review. Violations will ordinarily result in disciplinary suspension or expulsion from the College, depending on the severity of the violation involved. Note: The College has purchased Turnitin.com, a web product used to detect plagiarized documents.

Questioning a Grade -- The Student Academic Complaint Policy: A student, who wishes to question an assignment grade, or other academic issue, should follow the procedure below:

1. Whenever possible, the student will first go to the faculty member who has assigned the disputed grade. Complaints regarding grades should be made within seven (7) days of receipt of the disputed grade and, if possible, will be decided by the faculty member within seven (7) days of receipt. If the disputed grade is the final grade for the course, "receipt" is defined by when the final grade is posted online by the registrar. (Please refer to the next section for appealing a final grade.)

2. Unless there are extenuating circumstances, the student may, within seven (7) days request in writing a review of such decision by the Chair of the division in which the grade was assigned

submit, within seven (7) days, if possible, a written account of the incident, providing specific information as to the nature of the dispute.

3. Upon receipt of these written accounts, the Chair will meet, if possible, within seven (7) days with the faculty member and the student in an effort to resolve the dispute and will render his or her decision in writing.

4. If either the student or the faculty member desires to appeal the decision of the Division Chair, the student or faculty member may, within seven (7) days by written request to the chair, ask that the matter be reviewed by a Grade Appeals Panel convened by the Academic Affairs Office.

5. If the disputed grade is assigned at the end of a fall or spring semester and the student and faculty member cannot meet to resolve the issue, the student should contact the faculty member by e-mail within seven (7) days of receipt of the disputed grade. If the issue cannot be resolved by e-mail within the time limit, steps 2, 3 and 4 of the appeal may extend into the beginning of the semester immediately following receipt of the disputed grade by following the timeline above.

A student who wishes to question a final grade should follow the procedure below: 1. Confer with the faculty member who assigned the disputed grade. 2. If the disputed grade cannot be resolved, a written request for a grade appeal must be submitted to the Academic Affairs Office before the first day of the semester following the one in which the grade was issued. The written request must include the specific basis for the appeal. 3. The Academic Affairs Office will convene a Grade Appeals Panel, comprised of the Vice President for Academic Affairs, the Associate Academic Dean, and the chair of the academic unit which houses the course for which the grade is appealed. If one of the members is the faculty member who issued the grade, an alternate will be appointed. The student and the faculty member may appear separately before the panel to explain their positions. The hearing is non-adversarial. Neither the faculty member nor the student may be accompanied by other individuals to the meeting of the Grade Appeals Panel. The Grade Appeals Panel will notify the student of its decision, if possible, within seven (7) days of the meeting.

Policy for Verification of Student Identity and Protection of Privacy: In compliance with United States Federal Higher Education Opportunity Act (HEOA), Public Law 110-315, all credit-bearing courses and programs offered through distance learning methods must verify that the student who registers for a distance education course or program is the same student who participates in and completes the course or program and receives academic credit. One or more of the following methods must be used:

- a) A secure login and pass code;
- b) Proctored examinations; and/or
- c) Remote proctoring of one of more examinations using Tegrity or other technologies

Verification of student identity in distance learning must protect the privacy of student information. Personally identifiable information collected by the College may be used, at the discretion of the institution, as the basis for identity verification. For instance, a student

student to give his or her password to another student. Detailed information on privacy may be viewed at the following web address:
<http://www.lindsey.edu/media/319883/Online%20Services%20Privacy%20Policy%204.20.12.pdf>

Institutional Review Board (IRB) Policies: The Lindsey Wilson College Institutional Review Board (IRB) safeguards the rights and welfare of human participants in research and other research activities. Lindsey Wilson College faculty, staff, and students, which comprise its academic units, and facilities, are subject to the IRB policies. This includes any research for which a research agreement (e.g. MOU) identifies Lindsey Wilson College Institutional Review Board (IRB) as the IRB of record. All student-led human subject research must have a LWC faculty sponsor. All faculty members and students conducting human subject research are required to submit documentation of training on research involving human subjects that has been completed within two years of the onset of the proposed research. Online training is available at <http://php.nihtraining.com/users/login.php>.

Statement on Learning/Physical Disabilities: Lindsey Wilson College accepts students with learning disabilities and provides reasonable accommodation to help them be successful. Depending on the nature of the disability, some students may need to take a lighter course load and may need more than four years to graduate. Students needing accommodation should apply as early as possible, usually before May 15. Immediately after acceptance, students need to identify and document the nature of their disabilities. It is the responsibility of the student to provide to the College appropriate materials documenting the learning disability, usually a recent high school Individualized Education Program (IEP) and results from testing done by a psychologist, psychiatrist, or qualified, licensed person. The College does not provide assessment services for students who may be learning disabled. Although LWC provides limited personal counseling for all students, the College does not have structured programs available for students with emotional or behavioral disabilities. For more information, call Ben Martin at 270-384-7479.

Academic Success Center: The Academic Success Center, located in the Everett Building, offers peer tutoring to aid students in completing class assignments, preparing for exams and improving their understanding of content covered in a particular course. In addition, computers are available for student use.

Students are encouraged to utilize this Center as a resource for improving study strategies and reading techniques. The Center also offers assistance with other academic problems resulting from documented learning disabilities. All services are free of charge to all Lindsey Wilson College students (students with learning disabilities are responsible for providing documentation from an appropriate outside professional source such as a professional evaluation or school IEP). Please contact Maretta Garner, Tutor Coordinator at 384-8037 for further information and assistance.

Writing Center and Mathematics Center: The Writing Center (located in the Slider Humanities & Fine Arts Building) and the Mathematics Center (located in the Eucitte Science

add, Writing Center Coordinator, at 384-8209 or Linda Kessler, Math Tutor Coordinator, at 384-8115 for further information and assistance.

Final Exams: Final Exams for day classes are scheduled for the Fall 2013 semester on December 9-13 and May 5-9 for the Spring 2014 semester. The academic calendar, which contains the schedule for finals, is in the College Catalog and course schedule listing. Please make any necessary flight arrangements after the final exam week. Students will not be permitted to take early finals unless extenuating circumstances exist. "Extenuating circumstance" means illness, a verified family emergency or participation in officially sponsored travel in support of an event arranged by the College. Travel arrangements must be made in sufficient time that tickets may be obtained after final exams and the semester is officially over. All requests for early finals must be made in person to the Academic Affairs Office.

Email Policy: All Lindsey Wilson College students are required to communicate with LWC faculty and staff via LWC (Lindsey.edu) email addresses only. Alternative email addresses should not be used when communicating with LWC faculty and staff.

Cell Phone Policy: Student cell phones will be off during class time unless prior arrangement is made with the instructor.

Adding/Dropping a Course: Students enrolled in the following courses cannot drop these classes during the semester: READ 0713, 0723, 0733, 0903, 1013 and 1023; STSK 1003; ENGL 0903 and 0904; and ESL 0803, 0804 and 0854.

For undergraduate classes at the Columbia campus, adding a course, dropping a course, or changing from one section of a course to another section of the same course requires the approval of the advisor and the instructor for each course involved as indicated on the Add/Drop Form. The change must be reported to the Business Office and the Registrar's Office on an Add/Drop Form, which may be obtained from the Registrar's Office. For AIM courses, adding a course, dropping a course, or changing from one section of a course to another section of the same course requires the approval of the Director of the Evening Program. For courses taught at Community sites, adding a course, dropping a course, or changing from one section of a course to another section of the same course requires the approval of the Site Coordinator for the campus. Permission to add courses will not be given after the last date for late registration. Authorization for dropping a course will not be approved after more than 75% of the instructional days for a course are completed, as outlined below:

Course deadline submitted by the student to Columbia undergraduate and graduate full semester courses. Not later than 30 days before the end of the semester. Registrar AIM courses by the sixth week of class. Registrar courses at community campuses by the third weekend of class site coordinator or the registrar. If changes are not properly approved and officially reported as stated above, students will receive a grade of F in the courses for which they are officially registered, and they will be charged for all such courses. Students will not receive credit for changed or added courses unless they officially register for those courses.

(or both), please stop by my office to discuss projects, expectations, etc. Independent research projects are, in my opinion, a vital part of the overall learning experience and may help tilt the scale in your favor when competing for seats in a graduate or professional program.

Summer internships: If you are a highly motivated student wishing to participate in a summer internship, or as a research experience for undergraduate (REU) student, please stop by my office to discuss possible opportunities in the oil industry, pharmaceutical industry, or at other colleges/universities. I will try to place you in a program that fits your interests.

Tentative schedule of lecture and topics:

| <u>Week #</u> | <u>Date</u> | <u>Chapter #</u> | <u>Topics covered</u> | <u>Lab</u> |
|---------------|--|------------------|-------------------------------|-----------------|
| 1 | August 21 st | - | Syllabus, Gen. chem. review | See syllabus |
| | August 23 rd | 1 | Structure and bonding | |
| 2 | August 26 th | 2 | Polar cov. Bonds; Acids+Bases | See syllabus |
| | August 28 th | 3 | Alkanes | |
| | August 30 th | 3 | Alkanes | |
| 3 | September 2 nd | NO CLASS | - | See syllabus |
| | September 4 th | 4 | Cycloalkanes | |
| | September 6 th | 4 | Cycloalkanes | |
| 4 | September 9 th | <i>Exam #1</i> | <i>Gen. chem., Ch. 1-4</i> | See syllabus |
| | September 11 th | 5 | Stereochemistry | |
| | September 13 th | 5 | Stereochemistry | |
| 5 | September 16 th | 6 | Org. rxns overview | See syllabus |
| | September 18 th | 6 | Org. rxns overview | |
| | September 20 th | 6 | Org. rxns overview | |
| 6 | September 23 rd | <i>Exam #2</i> | <i>Ch. 5 and 6</i> | T: See syllabus |
| | September 25 th | NO CLASS | - | W: NO LAB |
| | September 27 th | 10 | Organohalides | |
| 7 | September 30 th | 11 | Rxns. of alkyl halides | See syllabus |
| | October 2 nd | 7 | Alkenes | |
| | October 4 th | 7 | Alkenes | |
| 8 | October 7 th | 8 | Alkenes | See syllabus |
| | October 9 th | <i>Exam #3</i> | <i>Ch. 7, 8, 10, 11</i> | |
| | October 11 th | 9 | Alkynes | |
| 9 | October 14 th -18 th | NO CLASS | - | NO LAB |
| 10 | October 21 st | 9 | Alkynes | See syllabus |
| | October 23 rd | 9 | Alkynes | |
| | October 25 th | 9 | Alkynes | |
| | October 28 th | 17 | Alcohols and Phenols | |

| | | | | |
|----|---------------------------|-------------------|------------------------------|--------------|
| 12 | November 4 th | <i>Exam #4</i> | <i>Ch. 9+17</i> | See syllabus |
| | November 6 th | 18 | Ethers, Thiols, etc. | |
| | November 8 th | 18 | Ethers, Thiols, etc. | |
| 13 | November 11 th | 14 | Conjugation | See syllabus |
| | November 13 th | 15 | Benzene and aromaticity | |
| | November 15 th | 15 | Benzene and aromaticity | |
| 14 | November 18 th | <i>Exam #5</i> | <i>Ch. 14, 15, 18</i> | See syllabus |
| | November 20 th | 16 | Chemistry of Benzene | |
| | November 22 nd | 16 | Chemistry of Benzene | |
| 15 | November 25 th | 16 | Chemistry of Benzene | See syllabus |
| | November 27 th | - | - | |
| | November 29 th | NO CLASS | - | |
| 16 | December 2 nd | - | - | See syllabus |
| | December 4 th | <i>Exam #6</i> | <i>Ch. 16 + others</i> | |
| | December 6 th | Last day of class | Special topics | |
| 17 | December 9 th | - | - | NO LAB |
| | December 11 th | <i>FINAL</i> | <i>Ch. 1-18 + gen. chem.</i> | |
| | December 13 th | - | - | |
| 18 | December 16 th | Final grades due | - | NO LAB |

Important dates:

| | | | |
|------------------------|------------------|--------------|---|
| Wednesday | August | 21 | Day Classes Begin |
| Tuesday | August | 27 | Last Day to Register or Add a Class |
| Monday | September | 02 | Labor Day Holiday (No Classes) |
| Friday-Saturday | September | | Family Weekend |
| Monday | October | 14 | Mid-term Grades Due (8:00 a.m.) |
| Monday-Friday | October | 14-18 | Fall Break |
| Monday | October | 21 | AIM Classes Begin (S2) |
| Friday-Saturday | November | | Homecoming |
| Monday-Friday | November | 04-08 | Advising & Registration (Jr & Sr) for Fall 2014 |
| Monday | November | 11 | Last Day to Drop a Class or Withdraw |
| Monday-Friday | November | 11-15 | Advising & Registration (Fr & So) for Fall 2014 |
| Thursday-Friday | November | 28-29 | Thanksgiving Holiday (No Classes) |
| Friday | December | 06 | Last Day of Classes (Day) |
| Monday-Friday | December | 09-13 | Final Exams (Day) |
| Friday | December | 13 | Senior Grades Due (11:00) |
| Friday | December | 13 | Fall 2013 Term Ends |
| Saturday | December | 14 | Fall 2013 Commencement (10:00 CST) |
| Monday | December | 16 | Final Grades Due |

Tentative exam dates:

09/09/2013 – Exam #1

09/23/2013 – Exam #2

10/09/2013 – Exam #3

11/04/2013 – Exam #4

11/18/2013 – Exam #5

12/04/2013 – Exam #6

12/11/2013 – Final exam (Section 1) @ 8:00 a.m.-10:30 a.m. in Fugitte 214

12/11/2013 – Final exam (Section 2) @ 11:00 a.m.-13:30 in Fugitte 214

Students will be notified in class or through email of any changes to the syllabus.