Course Overview: This course will establish a deep and comprehensive understanding of the fundamental organic chemistry subject matter. This understanding will be a powerful and useful foundation for all subsequent chemistry and science instruction the student undertakes, both for undergraduate and post-baccalaureate studies. Additionally, the course will also seek to build skills in critical thinking, problems solving, self-learning and in the communication of scientific ideas.

Course Organization: This 4-hour course is comprised of a lecture and a lab component. The lecture and lab will be taught as one a unified course, with subject material appearing in both components. The purpose of the lecture is to build on the initial foundation of knowledge the student supplies for themselves. The purpose of the lab is for the students to experience some of the organic chemistry concepts firsthand, gaining some laboratory research experience.

Active Learning Teaching Style: The lecture class will be taught in an active learning style. Active learning refers to the students spending class time working and engaging with the content constantly, as opposed to passively listening to a lecture. Active learning style has been demonstrated to be a more much effective approach to student learning, particularly in the sciences.

Lecture Course Resources:
- Digital access to the course webpage located at http://learn.ou.edu/ is required!
- Personal computer access to ChemBioDraw Ultra 14 software package is required!
- There is no required textbook for the course –Kline’s Organic Chemistry version 2011 is the recommended textbook. Additionally, Klein’s Organic Chemistry I as a Second Language: Translating the Basic Concepts will be a useful additional resource for the class.
- Office Hours: available by appointment
- UC Action Center Sessions: Tuesday 6:00-8:00 PM in Wagner Hall Room 135
- A plastic molecular modeling kit is recommended.

Lab Course Resources:
- Required lab textbook: Morvant, M. C.; Halterman, R. L., Organic Chemistry Laboratory Manual. The manual is available free of charge as either a PDF version or the interactive iBook (downloaded from iTunes).
- Safety goggles are required at all times in the lab!
- Nitrile safety gloves are **required** for all labs.
- A lab safety coat is **highly, strongly recommended.**

**Course Grade:**

Final Course Grade: *75% lecture grade and 25% lab grade.*

**Lecture Grades (75%):**

- 3 Lecture Exams*: 48%
- Lecture Quizzes: 15%
- Cumulative Final (Wednesday, May 6\textsuperscript{th}, 2014\textsuperscript{th} 8:00-10:00 AM SRTC Rm 1030)):** 37%

*The lowest lecture exam score will be removed and replaced by the average of the other three exams. If a student misses an exam for any reason, excused or unexcused, the missed exam will be dropped and replaced by the average of the other exams. A second exam can only be missed with an allowed, officially excused absence to be provided in writing within one week of the missed exam.**

**The final exam must be taken or an F will be assigned.

**Lab Grades (25%):**

- Weekly Lab Reports 100%***

***The lowest lab report grade will be dropped from the average and replaced by an average of the other quizzes. If a student misses a lab section for any reason, excused or unexcused, that lab report grade and quiz will be considered the lowest grade and dropped from the grade average.

**Special Accommodations:** The University of Oklahoma is committed to providing reasonable accommodation for all students with disabilities. Students with disabilities who require accommodations in this course are requested to speak with the instructor as early in the semester as possible. Students with disabilities must be registered with the Disability Resource Center prior to receiving accommodations in this course. The Disability Resource Center is located in Goddard Health Center, Suite 166, phone 405/325-3852 or TDD only 405/325-4173.

The instructor reserves the right to change, in anyway, the materials described in this syllabus at anytime.