Course Overview:

Purpose: This course will be an immersive overview of organic reactivity, the use and synthetic manipulations of functional groups, and total synthesis tactics. The course will provide graduate level students with the necessary foundation needed to undertake advanced organic chemistry and organic synthesis research. In addition to the class content, this course will be a vehicle to improving the students’ skill in problem-solving, communication and teamwork.

Practice: In this course, the student will be largely responsible for accessing and learning the provided course content outside of class. The content will be provided either through open-access digital resources or materials produced by the instructor. Class-time will largely be devoted to the students applying and more deeply understanding the content accessed out of class, and this will be done through problem solving, active learning exercises, and presentations.

Office Hours: Thursday 10:30 – 11:30 AM SLSRC Room 2060, or available by appointment

Recommended Resources:
- Software and computer required for digital presentations
- ChemDraw Software, version 11 or later (or an equivalent alternative).
- Molecular modeling kit

Grading:
- 3 Lecture Exams*: 60%
- Presentations: 20%
- Cumulative Final 20%

*The lowest lecture exam score will be dropped. If a student misses an exam for any reason, excused or unexcused, the missed exam will be dropped. 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.

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.