CHEM 3720 - Organic Chemistry 2

Summer 2026 Syllabus, Section 01, CRN 30864,

Credit hours: 3

Instructor

Will Jencius

Professional Qualifications:
Ph.D., Chemistry, Kent State University, 2024
B.S., Biochemistry, Kent State University, 2017

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Course Description

3720. Organic Chemistry 2. Organic compounds, names, structures, spectroscopic properties, reactions, and mechanisms. Three hours lecture. Coreq.: CHEM 3720L. Prereq.: "C" or better in CHEM 3719 and "C" or better in CHEM 3719L. 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Organic Chemistry	David Klein and Lauren Starkey	978-1394189373

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
6/29	Chapters 11-12	Synthesis and Alcohols and Phenols	Homework assignments for each chapter will be communicated through blackboard.
7/6	Chapters 12-15	Alcohols and Phenols, Ethers and Epoxides; Thiols and Sulfides, Infrared Spectroscopy and Mass Spectrometry, Nuclear Magnetic Resonance Spectroscopy	
7/13	Chapter 15	Nuclear Magnetic Resonance Spectroscopy	Exam I (Chapters 11-15) on 7/17
7/20	Chapters 16-18	Conjugated Pi Systems and Pericyclic Reactions, Aromatic Compounds, Aromatic Substitution Reactions	
7/27	Chapters 18-20	Aromatic Substitution Reactions, Aldehydes and Ketones, Carboxylic Acids and Their Derivatives.	
8/3	Chapter 21	Alpha Carbon Chemistry: Enols and Enolates	Exam II (Chapters 16-21) on 8/7
8/10	Chapter 22	Amines	Final Exam (Chapters 11-22) on 8/14

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.