

CHEM 3720L - Organic Chemistry 2 Laboratory

Summer 2026 Syllabus, Section 01, CRN 30865,

Credit hours: 1

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

3720L. Organic Chemistry 2 Laboratory. Typical techniques, preparations, and procedures of spectroscopic analysis of organic compounds. Three hours lab. Prereq.: "C" or better in CHEM 3719 and "C" or better in CHEM 3719L. Coreq.: CHEM 3720. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Optional	Organic Chemistry 5th Edition	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

Day	Date	Proposed Topic	Due/To Prepare for Class
Mon	7/6		Due 7/6 at 11:59pm: Exp #1 TLC Troubleshooting
Wed	7/8		Due 7/8 at 11:59pm: Exp #2 - Reduction of Ketone with Borohydride
Fri	7/10		Due 7/10 at 11:59pm: Exp #3 - Oxidation of an Alcohol
Wed	7/15		Due 7/15 at 11:59pm: Exp #4 - Williamson Ether Synthesis
Wed	7/22		Due 7/22 at 11:59pm: Exp #5 - Ester Synthesis
Fri	7/24		Due 7/24 at 11:59pm: Exp #6 - Nitration of Methyl Benzoate
Wed	7/29		Due 7/29 at 11:59pm: Exp #7 - Grignard Reaction, Part 1
Fri	7/31		Due 7/31 at 11:59pm: Exp #8 - Grignard Reaction, Part 2
Wed	8/5		Due 8/5 at 11:59pm: Exp #9 - Wittig Reaction Pts 1 & 2

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.