

CHEM 1510L - Chemistry for the Allied Health Sciences Laboratory

Fall 2026 Syllabus, Section 02, CRN 41527,

Credit hours: 0

Instructor

Dr. Nina Stourman

Professional Qualifications:

Ph. D., Bioorganic Chemistry and Chemistry of Natural Physiologically Active Compounds, Moscow State University, Russia
BS/MS Chemistry, Moscow State University, Russia

Laboratory Coordinator, Professor

Email: nvstourman@ysu.edu

Office: WBH 6027

Office Phone: 330-941-7112

Additional Contact Methods:

Your primary contact for CHEM 1510L-related questions is your lab instructor. The instructor's email can be found on Blackboard for your lab section. If your questions are not answered in a timely manner (i.e., 24 hrs), please contact the lab coordinator, Dr. Stourman, using the email nvstourman@ysu.edu

Preferred Contact Method: email

Communication Expectations:

expect to receive a reply to your email question(s) within 24 hours, Monday through Friday, or within 48 hours during the weekends.

How to Refer to me:

Dr. Stourman

Public Instructor Information

Instructor Title: Laboratory Coordinator; Professor

Instructor Professional Qualifications:

Ph. D., Bioorganic Chemistry and Chemistry of Natural Physiologically Active Compounds, Moscow State University, Russia

BS/MS Chemistry, Moscow State University, Russia

Instructor Office Location: WBH 6027

Instructor Office Phone: 330-941-7112

Course Description

1510L. Chemistry for the Allied Health Sciences Laboratory. Laboratory for the allied health chemistry course. Concurrent: CHEM 1510. 0 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Laboratory Manual		

Laboratory Manual: *CHEM 1510L: Chemistry for the Allied Health Sciences Lab*; Pearson

This custom made manual should be purchased from YSU bookstore.

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	Reading(s)	Proposed Topic	Due/To Prepare for Class
Wed	8/26	No Class		
Wed	9/2	p. 1 -	Introduction to the course, Check-in and Safety Expt. 1: Conversion Factors and Problem Solving	Bring Lab Manual, Lab coat, and goggles
Wed	9/9	p. 13 -	Expt. 2: Density and Specific Gravity	Exp. 2 pre-lab
Wed	9/16	p. 23 -	Expt. 3: Testing for Cations and Anions	Exp. 3 pre-lab
Wed	9/23	p. 33 -	Quiz 1: Expts 1, 2, 3 Expt. 4: Compounds and Their Bonds	Review Expts. 1-3 for Quiz 1 Exp. 4 pre-lab
Wed	9/30	p. 47 -	Expt. 5: Solutions, Electrolytes, and Concentrations	Exp. 5 pre-lab
Wed	10/7	p. 59 -	Expt. 6: Acids, Bases, pH, and Buffers	Exp. 6 pre-lab
Wed	10/14	p. 69 - p. 85 -	Expt. 7: Organic Compounds: Alkanes Expt. 8: Reactions of Unsaturated Hydrocarbons	Exp. 7 pre-lab Exp. 8 pre-lab
Wed	10/21	p. 91 -	Quiz 2: Expts 4, 5, 6, 7 Expt. 9: Alcohols and Phenols	Review expts. 4-7 for Quiz 2 Exp. 9 pre-lab
Wed	10/28	p. 99 -	Expt. 10: Test for Carbohydrates	Exp. 10 pre-lab
Wed	11/4	p. 109 -	Quiz 3: Expts 8, 9, 10 Expt. 11: Carboxylic Acids and Esters	Review Expts 8, 9, 10 for Quiz 3 Exp. 11 pre-lab
Wed	11/11	No Class		
Wed	11/18	p. 137 -	Enzyme Catalysis: Potato Catalase	Enzyme Catalysis pre-lab
Wed	11/25	No Class		
Wed	12/2	p. 149 -	Quiz 4: Expts 11, Enzyme catalysis Fermentation of Sugars by Yeast	Review Expts 11 and Enzyme catalysis for Quiz 4 Fermentation of Sugars pre-lab
Wed	12/9	No Class		

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.