

CHEM 1515L - General Chemistry 1 Laboratory

Summer 2026 Syllabus, Section 03, CRN 30060,

Credit hours: 1

Instructor

Dr. Brian D. Leskiw

Professional Qualifications:

Ph.D., Physical Chemistry, The Pennsylvania State University

B.S., Chemistry, Niagara University

Professor

Email: bdleskiw@ysu.edu

Office: Ward Beecher Hall 5046

Office Phone: (330) 941 – 1562

Additional Contact Methods:

Blackboard message board

Preferred Contact Method: Email preferred

How to Refer to me:

Dr. Leskiw or Prof. Leskiw

Course Description

1515L. General Chemistry 1 Laboratory. Quantitative experiments focusing on topics covered in CHEM 1515 lectures. Three hours lab. Prereq.: "C" or better in CHEM 1501 or equivalent; "C" or better in MATH 1513 or "C" or better in MATH 1510. Coreq.: CHEM 1515. 1 s.h.

Course Readings

Group	Title	Author	ISBN
Required	A Laboratory Manual for General Chemistry 1515L	B.D. Leskiw	

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	5/11		
Wed	5/13	Exp 1: Significant Figures and Scientific Notation	
Fri	5/15	Exp. 2: Density Determination of Liquids and Solids	
Mon	5/18	Exp. 3: Chemical Nomenclature	
Wed	5/20	Exp. 4: Determining the Percentage of Potassium Chlorate in a Mixture	
Fri	5/22		
Mon	5/25		
Wed	5/27	Exp. 5: Limiting Reagents	
Fri	5/29		

Mon	6/1	Exp. 6: Volumetric Titration
Wed	6/3	Exp. 7: Antacid Analysis
Fri	6/5	
Mon	6/8	Exp. 8: Determining the Molar Mass of a Volatile Liquid
Wed	6/10	Exp. 9: Determining the Molar Volume of a Gas
Fri	6/12	
Mon	6/15	Exp. 10: The Specific Heat Determination of Unknown Metals Exp. 11: Heat of Neutralization
Wed	6/17	
Fri	6/19	
Mon	6/22	Exp. 12: Lewis Dot Structures and Molecular Geometry
Wed	6/24	Make-up
Fri	6/26	

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.