JAMESTOWN COMMUNITY COLLEGE
State University of New York
INSTITUTIONAL COURSE SYLLABUS

Course Title: General Chemistry 2 Lab

Course Abbreviation and Number: CHE 1562 **Credit Hours:** 1 **Course Type: LA**

Course Description: General Chemistry 2 Lab reinforces theoretical concepts covered in lecture through hands-on experimentation and data analysis. Lab experimentation includes intermolecular forces, chemical kinetics, reaction mechanisms, acids/bases, thermodynamics, electrochemistry, and thermochemistry. This course is designed for science majors and serves as a prerequisite for advanced chemistry courses, or those students who need strong foundational chemistry knowledge for an advanced degree.

Prerequisite: CHE 1551+1552; Corequisite: MAT 1590 or Eligibility: MAT 1600; Corequisite: CHE 1561.

General Education Requirements Met:

SUNY	**JCC**
Natural Sciences	Scientific Reasoning

Student Learning Outcomes:
Students who demonstrate understanding can:

1. Apply principles from topics covered in the lecture portion of the course via scientific experimentation.
2. Demonstrate an understanding of the methods scientists use to explore natural phenomena, including observation, hypotheses development, measurement and data collection, experimentation, evaluation of evidence, and employment of data analysis or mathematical modeling. [SUNY Gen Ed – Natural Sciences SLO 1]

Topics Covered:

- Intermolecular Forces
- Freezing Point Depression
- Chromatography
- Initial Rates
- Kinetics - Decomposition
- Le Chatelier's Principle
- Acid/Base
- Solubility
- Redox
- Electrochemistry
- Crystallization

Information for Students:

- Expectations of Students
  - Civility Statement
  - Student Responsibility Statement
  - Academic Integrity Statement

- Accessibility Services: https://www.sunyjcc.edu/accessibility
- Get Help: https://www.sunyjcc.edu/gethelp
- Emergency closings: https://www.sunyjcc.edu/jccalert
- Course grades are determined by the instructor based on a combination of factors, including but not limited to, homework, quizzes, exams, projects, and participation. Final course grade can be translated into a grade point value according to the following:

Letter Grade	A	B+	B	C+	C	D+	D	F
Numerical Grade	4.0	3.5	3	2.5	2	1.5	1	0

- Veterans and active-duty military personnel with special circumstances (e.g., upcoming deployments, drill requirements, VA appointments) are welcome and encouraged to communicate these to the instructor.

Effective Term: Fall 2026