

Piedmont Technical College Course Syllabus

COURSE INFORMATION

Course Prefix/Number: CHM 107

Title: Contemporary Chemistry II

Responsible Division: Arts and Sciences

Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current *Student Calendar*.

Course Description:

For course, credit hour, pre-requisite(s) and co-requisite(s) information, visit the Detailed Course Information page: www.ptc.edu/courses/CHM107.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the [college bookstore](http://www.ptc.edu/bookstore) (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the *Academic Catalog* and *Student Handbook*. Visit the [Course Policies page](http://www.ptc.edu/syllabus/policies) (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY

Detailed grading policy information can be found on the [Grading Policy webpage](http://www.ptc.edu/grading-policy) (<http://www.ptc.edu/grading-policy>). Final grade appeal information is available in the [Academic Catalog](http://www.ptc.edu/catalog/) (<http://www.ptc.edu/catalog/>).

ACCOMMODATIONS

Accommodations for ADA:

Information is available on the [Student Disability Services webpage](http://www.ptc.edu/ada) (<http://www.ptc.edu/ada>).

TITLE IX HARASSMENT AND SEXUAL ASSAULT INFORMATION

In accordance with Title IX of the Education Amendments of 1972, Piedmont Technical College does not discriminate on the basis of sex in its education programs or activities. Title IX protects students, employees, and applicants from sex discrimination in admissions and employment to include discrimination based on gender identity or failure to conform to stereotypical notions of masculinity or femininity. More information regarding Title IX, including contact information for the Title IX coordinators, is available at [Title IX Harassment and Sexual Assault Information](https://www.ptc.edu/about/legal-disclosures/title-ix-harassment-and-sexual-assault-information) (<https://www.ptc.edu/about/legal-disclosures/title-ix-harassment-and-sexual-assault-information>).

RATIONALE

Why do I need this course?

It is extremely important that students see how basic principles of chemistry relate to the world around them. It is also important to develop skills needed to advance in future studies. It is critical that the student see how chemistry is relevant to their particular interests and careers particularly in nursing or any allied health profession.

PROGRAM INFORMATION

For program information including required courses, program learning outcomes, gainful employment information and advisement information, refer to the Academic Program webpage. Go to [Academics](http://www.ptc.edu/academics) (<http://www.ptc.edu/academics>), select your program, and then select Credentials Offered.

COURSE STUDENT LEARNING OUTCOMES

Upon successful completion of this course and/or clinical, each student will be able to:

- Consolidate and build upon previous knowledge of chemical vocabulary and principles in order to read, write, and talk about chemistry.
- Make applications of chemistry to everyday life.
- Visualize and describe what is happening on the atomic and/or molecular level using modern atomic theory.
- Quantitatively describe chemical reactions by setting up and solving chemical problems.
- Employ critical thinking and the scientific method to design, carry out, record and analyze the results of chemical experiments.

GENERAL EDUCATION COMPETENCIES

Piedmont Technical College General Education Competencies for All Graduates:

This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):

Communicate effectively.

Assessment:

Embedded homework reading comprehension questions and lab reports

Apply mathematical skills appropriate to an occupation.

Assessment:

Embedded homework questions and post lab analysis questions

Employ effective processes for resolving problems and making decisions.

Assessment:

N/A

Demonstrate the basic computer skills necessary to function in a technological world.

Assessment:

Formal lab report

To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.