



DOANE
UNIVERSITY

Course Overview

Course Title	Introduction to Chemistry
Course and Section Number	CHM-101-1
Number of Credits	4 Semester Credits
Term	21/WIN1
Course/Section Dates	10/11/2021 – 12/11/2021
Meeting Time	Class meets on Thursday's at 6:00PM CDT
Instructor	Josef Kren
Doane Email Address	josef.kren@doane.edu
Textbook Information: (e.g. title, edition, publisher, ISBN)	None Link to Doane Bookstore: https://www.bkstr.com/doaneuniversitystore/shop/textbooks-and-course-materials
Additional Course Materials	
Course Description	This course introduces students to chemistry in the context of the environment and everyday life. Upon successful completion of the course, students will demonstrate an understanding of the chemistry of acid rain, ozone layer depletion, global warming, nuclear reactions of power plants, molecules of life like DNA, proteins, important pharmaceuticals, etc. In contrast to general chemistry, this course stresses the conceptual perspectives of chemistry rather than focusing on quantitative reasoning. This course is designed for non-science majors and is not required for a science related major. Lecture and laboratory.



DOANE

UNIVERSITY

Foundational Area of Knowledge

Students will gain a greater understanding of scientific thinking and applications using core ideas in courses that include laboratory or field experience. Students will consider the complexities of scientific methodologies in one or more disciplines of the natural sciences, the scientific context of issues they will confront as informed citizens, and the scientific impact on the global community. Students will work to

- employ methods of science for inquiry in a scientific discipline
- develop their scientific literacy and ability to critically evaluate scientific information
- consider the ethical and social implications of scientific study

Course Learning Outcomes/Objectives

- Describe what chemistry is and the philosophy of chemistry as a science.
- Discuss the periodic table.
- Outline the basic concepts of general, inorganic, and organic chemistry and biochemistry.
- Describe some of the methods routinely used for chemical investigations.
- Demonstrate a basic knowledge of chemistry laboratory procedures.
- Apply knowledge of chemistry to everyday situations.

Technology Requirements

For the successful use of Canvas please refer to Doane University's [minimum computer requirements](#). This may also include:

- Reliable computer and internet connection
- A web browser (Chrome or Mozilla Firefox)
- Adobe Acrobat Reader (free)
- Word processing software -Microsoft or Google Docs
- Webcam and mic

Syllabus Addendum

www.doane.edu/syllabus includes information regarding:

- Academic Support
- Military Friendliness & Services
- Study Time
- Credit Hour Definition
- Catalog and Policies

Technological Support

If you are in need of technical assistance, please contact the help desk at 402-826-8411 or by email at helpdesk@doane.edu.



DOANE
UNIVERSITY

**Learning Management
System**

Canvas: <https://doane.instructure.com>

**Campus Network or Canvas
Outage**

When access to Canvas is not available for an extended period of time (greater than one entire evening - 6pm till 11pm) you can reasonably expect that the due date for assignments will be changed to the next day (assignment still due by midnight).