

Western Dakota Technical Institute
800 Mickelson Drive
Rapid City, SD 57703-4018

Master Syllabus

Course Number: CHEM 106
Course Name: Chemistry Survey
Credits: 3
Contact Hours: 3 Lecture

Course Description: A one-semester survey of chemistry. Not intended for those needing an extensive chemistry background. Introduction to the properties of matter, atomic structure, bonding, stoichiometry, kinetics, equilibrium, states of matter, solutions, and acid-base concepts.

Prerequisites: MATH 101 or higher

Textbooks: <http://bookstore.wdt.edu>

Materials: A simple math calculator capable of log functions, exponents and scientific or exponential notation. Graphing calculators will not be permitted during exams.

Student Learning Outcomes:

- Understand the relationship between chemistry and the world around them.
- Utilize the “analytical process” to explore the world around them.
- Apply some of the basic principles, theories, and models of chemistry to various questions about nature and the student’s environment.
- Apply appropriate mathematic skills to solve problems of a chemical nature.
- Develop the critical thinking skills needed to solve problems or deal with various scientific inquiries.

Assessment: Student’s analytical skills will be assessed throughout this course by their ability to complete the course.

ADA Accommodations: Students Rights to Assistance or Accommodations: Western Dakota Technical Institute (hereinafter WDT) does not discriminate on the basis of disability. If you have a disability as defined by federal or state law, including a temporary disability related to pregnancy and/or parenting as a result of a medical necessity due to childbirth, WDT will provide reasonable accommodations including but not limited to architectural access, aids and services necessary for effective communication, and modification of its policies and procedures. Students with a disability who are requesting an accommodation should contact your instructor and the Student Success Director who serves as the disability coordinator as early as possible in the semester.

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students, employees, non-employees and its invitees. The following person has been designated to handle inquiries or complaints regarding the non-discrimination policies: Student Success Director