

Chemistry

CHEM 103 (1947) Basic Chemistry I

Reading Placement Test Level: Reading Essentials

Prerequisite: None

Credit Hours: 1

Equivalent to the first 1/3 of the lecture portion of CH 1951 Introduction to Chemistry. Course content includes unit conversions, classifications of matter, net-ionic equations, acid base reactions, and oxidation-reduction reactions. Recommended especially for students in radiography and nursing.

CHEM 104 (1948) Basic Chemistry II

Reading Placement Test Level: Reading Essentials

Prerequisite: None

Credit Hours: 2

Equivalent to the first 2/3 of the lecture portion of CH 1951 Introduction to Chemistry. Course content includes unit conversions, acid-base reactions, and oxidation-reduction reactions, nomenclature, bonding, biochemistry, and nuclear chemistry. Recommended especially for student in radiography and nursing.

CHEM 105 (1949) Basic Chemistry III

Reading Placement Test Level: Reading Essentials

Prerequisite: MATH 96 Beginning Algebra, **or** MATH 106 Applied Mathematics, **or** High School Algebra.

Credit Hours: 3

Equivalent to the lecture portion of CHEM 120 Introduction to Chemistry Course content includes unit conversions, acid-base reactions, and oxidation-reduction reactions, nomenclature, bonding, biochemistry, nuclear chemistry, gases, concentration units, and colligative properties. The laboratory supports the lecture and provides general lab techniques. Recommended for students in health and science fields, preparation for CHEM 124 College Chemistry I, and meets general education requirements.

CHEM 112 (1974) Independent Study Chemistry (IO)

Prerequisite: Consent of the instructor

Credit Hours: 3

Independent study in a specialized area of chemistry. This course is designed to give the independent student laboratory and library research experience.

CHEM 120 (1951) Introduction to Chemistry

Reading Placement Test Level: Reading Essentials

Prerequisite: MATH 96 Beginning Algebra, **or** MATH 106 Applied Mathematics, **or** High School Algebra

Credit Hours: 5

Lecture and laboratory. Lecture content includes unit conversions, acid-base reactions, and oxidation-reduction reactions, nomenclature, bonding, biochemistry, nuclear chemistry, gases, concentration units, and colligative properties. The laboratory supports the lecture and provides general lab techniques. Recommended for students in health and science fields, preparation for CH 1961 College Chemistry I, and meets general education requirements.

CHEM 124 (1961) College Chemistry I

Reading Placement Test Level: College Reading

Prerequisite: MATH 100 Intermediate Algebra **or** 1 ½ years of High School Algebra.

Recommended: CHEM 1951 Introduction to Chemistry **or** 1 year High School Chemistry.

Credit Hours: 5

First course of a two-semester study of general chemistry. Course content includes nomenclature, stoichiometry, acids and bases, oxidation-reduction reactions, gas laws, thermochemistry, atomic structure, periodicity, bonding, molecular structures, and bonding theory. (Fall Semester)

CHEM 126 (1962) College Chemistry II

Prerequisites: CHEM 124 College Chemistry I **and** MATH 115 College Algebra

Credit Hours: 5

A continuation of College Chemistry I with course content including kinetics, equilibrium thermodynamics, acid-base theories, electrochemistry, and nuclear chemistry. (Spring Semester)

CHEM 204 (1972) Organic Chemistry I

Prerequisite: CHEM 124 College Chemistry I

Recommended Prerequisite: CHEM 126 College Chemistry II

Credit Hours: 5

First course of a two-semester study of the principles of organic chemistry. Course content includes organic nomenclature, reaction mechanisms and types, alkenes, and stereochemistry. (Fall Semester)

CHEM 205 (1963) Organic Chemistry I Lecture

Prerequisite: CHEM 124 College Chemistry I

Recommended Prerequisite: CHEM 206 Organic Chemistry I Lab should be taken concurrently

Credit Hours: 3

Enrollment in College Chemistry Lab I is strongly recommended. This is the same course as Organic Chemistry I, but lecture only. This is a first course of a two semester study of the principles of organic chemistry. Course content includes organic nomenclature, nucleophilic substitution B-elimination, acids, and base, alkanes, alkenes, stereochemistry, conjugation, and aromaticity.

CHEM 206 (8011) Organic Chemistry I Lab

Prerequisite: College Chemistry I; Organic Chemistry I Lecture should be taken concurrently)

Credit Hours: 2

This is a laboratory course whose primary purposes are to support "Organic Chemistry I Lecture" and to develop knowledge and skills in Organic Chemistry Laboratory Techniques

CHEM 207 (1995) Organic Chemistry II

Prerequisite: Organic Chemistry I

Credit Hours: 5

Continuation of CHEM 204 Organic Chemistry I course content extending into alcohols, ketones, carboxylic, acids, and derivatives, aromatics, other classes of compounds, reaction mechanisms, and spectroscopy. (Spring Semester)

Reading Essentials Placement Scores: ACT 0-12, COMPASS 0-54

College Reading Placement Scores: ACT 13-16, COMPASS 55-74

No Reading Course Required Placement Scores: ACT 17 or Higher, COMPASS 75 or higher

IO = Infrequently Offered Course