

CHEMISTRY (CHM)

CHM153 General Chemistry I w/Lab (4 course hours)

An exploration into the structure and interactions of matter. Appropriate for SCM majors, pre-medical, pre-physician assistant, pre-dental, pre-physical therapy, pre-veterinary and pre-engineering students and Physical Science Education students. Lecture and Lab.

Science/Math Fee: \$175.00

2 years of high school chemistry, a Math ACT score of 22 or higher, or MAT211 as a co-req. Instructor may override prereqs.

Course offered: FAL

CHM154 General Chemistry II w/Lab (4 course hours)

An exploration into the structure and interactions of matter. Appropriate for SM majors, pre-medical, pre-dental, pre-nursing, and pre-engineering students and Physical Science Education students. Lecture and Lab.

Science/Math Fee: \$175.00

Instructor may override prereqs

Pre-requisites: CHM153

Course offered: SPR

CHM154H General Chemistry II w/Lab Honors (4 course hours)

An exploration into the structure and interactions of matter. Appropriate for SM majors, pre-medical, pre-dental, pre-nursing, and pre-engineering students and Physical Science Education students. Lecture and Lab.

Science/Math Fee: \$175.00

Pre-requisites: CHM153

Course offered: SPR

CHM188 Directed Research (3 course hours)

Intensive laboratory research experience under direction and design of division faculty member.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM255 Analytical Chemistry w/Lab (5 course hours)

The theory and practice of the analysis of inorganic, organic, and biochemical samples including classical and modern approaches.

Lecture and Lab.

Science/Math Fee: \$175.00

Pre-requisites: CHM154 OR CHM154H

Course offered: OSPR

CHM257 Organic Chemistry I w/Lab (5 course hours)

A detailed study of the structure and reactions of organic compounds, including reaction mechanisms, energy considerations and applications of molecular spectroscopy. Lecture and Lab.

Science/Math Fee: \$175.00

Pre-requisites: CHM154 OR CHM154H

Course offered: FAL

CHM258 Organic Chemistry II w/Lab (5 course hours)

A detailed study of the structure and reactions of organic compounds, including reaction mechanisms, energy considerations and applications of molecular spectroscopy. Lecture and Lab. Next offered Spring 2006

Science/Math Fee: \$175.00

Pre-requisites: CHM257

Course offered: SPR

CHM288 Directed Research (3 course hours)

Intensive laboratory research experience under direction and design of division faculty member.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM290 Readings in Chemistry (1-3 course hours)

Significant literature/research chosen in consultation with the professor. Review and evaluation includes colloquy with divisional faculty and/or written report.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM355 Physical Chemistry I (3 course hours)

The physical and mathematical basis for the laws, hypotheses, and theories underlying chemistry.

Pre-requisites: CHM154 MAT216 PHY238

Course offered: EFAL

CHM356 Physical Chemistry II (3 course hours)

The physical and mathematical basis for the laws, hypotheses and theories underlying chemistry.

Pre-requisites: CHM355

Course offered: OSPR

CHM388 Directed Research in Chemistry (1-3 course hours)

Intensive laboratory research experience under direction and design of division faculty member.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM488 Directed Research in Chemistry (3 course hours)

Intensive laboratory research experience under direction and design of division faculty member.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM490 Readings in Chemistry (1-3 course hours)

Significant literature/research chosen in consultation with professor.

Review and evaluation include colloquy with divisional faculty and/or written report.

Faculty consent required.

Faculty consent required.

Faculty consent required.

CHM495 Chemistry Practicum (1-6 course hours)

Significant laboratory or literature research.

Science/Math Fee: \$175.00

Faculty consent required.

Faculty consent required.

Faculty consent required.

Course offered: FASP