

(BS=2.0,ET=1.5,MA=0.0)

Scope: 2009-1**Offerings:**2013-2 2014-1 2014-2
2015-1 2015-2

The course teaches the fundamental concepts of analytical chemistry. Topics include acid-base equilibria, redox potentials, compleximetric titrimetry, separations, electrochemistry, and absorption spectroscopy. The course provides an overview of modern analytical techniques being used in various fields. The course emphasizes the development of rigorous laboratory techniques and introduces the cadet to computer based data acquisition. Cadet laboratory work is evaluated in terms of the student's ability to accurately determine the identity and quantity of an unknown sample.

Lessons: 30 @ 55 min (3.000 Att/wk) **Labs:** 17 @ 120 min**Special Requirements:** None**Prerequisite(s):** CH102
-Or- CH152