

Course Announcement



LOMA LINDA UNIVERSITY School of Allied Health Professions

2007-2008
Autumn, Winter & Spring Quarters

Introductory Chemistry

AHCJ 101 (4 units), AHCJ 102 (4 units), AHCJ 103 (4 units)

COURSE DESCRIPTION: Three-course sequence introducing the science and concepts of chemistry. Meets the chemistry prerequisite requirement for many programs in the School of Allied Health Professions and the School of Nursing. **Must be taken in sequence.**

AHCJ 101 - Autumn Quarter

September 24 - December 14, 2007/ Registration begins August 27, 2007

Introduction to Inorganic Chemistry. Basic survey of matter, energy, and measurement. Includes: atoms and molecules; chemical bonding; chemical reactions and reaction rates; gases, liquids and solids; solutions and colloids; acids and bases; nuclear chemistry. (One 3-hour lecture and one 3-hour lab per week) *Prerequisite: High school algebra or equivalent*

AHCJ 102 - Winter Quarter

January 7 - March 21, 2008/ Registration begins November 26, 2007

Introduction to Organic Chemistry. Introduction to the study of compounds that contain carbon. Coverage includes: alkenes, alkynes, and aromatic compounds; alcohols, phenols, ethers and halides; aldehydes and ketones; carboxylic acids and esters; amines and amides. (One 3-hour lecture and one 3-hour lab per week.) *Prerequisite: AHCJ 101 or equivalent*

AHCJ 103 - Spring Quarter

March 31 - June 13, 2008/ Registration begins March 3, 2008

Introduction to Biochemistry. Introduction to the chemistry of living systems, including: carbohydrates, lipids, proteins and nucleic acids; enzyme chemistry; bioenergetics; carbohydrate, lipid and protein metabolism; biosynthetic pathways; protein synthesis; chemical transmitters and immunoglobulins; body fluids, nutrition and digestion. (One 3-hour lecture and one 3-hour lab per week) *Prerequisites: AHCJ 101, 102 or equivalent*

LECTURES: TUESDAYS 6-9 P.M., Nichol Hall, A-920
LABORATORIES: THURSDAYS 6-9 P.M., Nichol Hall, A-920

Employee tuition benefits apply. For information contact Melody Chambers at Ext 83018 or mchambers@llu.edu