



Course Competency Report by Code

Code: C289

General Chemistry II (C289)

Course of Study: C289 - General Chemistry II

Course Level: Undergraduate

Course Division: Lower Division Major

Discipline: Chemistry

Course Type:

Department: Education

COMPETENCY #	COMPETENCY NAME	COMPETENCY TEXT
217.1.2	Physical States	The graduate applies models to explain the properties and behavior of gases, liquids, and solids and explore the process by which matter changes state.
217.1.3	Aqueous Solutions	The graduate analyzes factors that affect the solubility of compounds and the composition and properties of aqueous solutions.
217.1.4	Acids, Bases, and Salts	The graduate applies acid-base models to analyze the properties, relative acidities, and reactions of acids and bases.
217.1.5	Oxidation-Reduction Reactions	The graduate examines practical applications of redox reactions by analyzing, predicting, and balancing oxidation-reduction reactions.
217.1.6	Reaction Rates and Equilibrium	The graduate applies the collision theory to explain how various factors affect the rate and equilibrium of reactions.
217.1.7	Nuclear Chemistry	The graduate evaluates the dangers and benefits of naturally occurring radioactivity and induced nuclear changes.
217.1.8	Organic and Biochemistry	The graduate analyzes the fundamental concepts of organic chemistry and biochemistry.