

Biology/Chemistry Uniformity Survey

The purpose of this survey is to assess the degree of consistency among presentations in your Phoenix College biology and chemistry courses. For each statement below, darken the circle of the answer that most closely indicates your experience.

Course _____ Section _____ Name _____

Please fill in the circle like this ●

Not like this: ○ ⊗ ⊖

Educational Experience

Please indicate which subjects you received a C or better.

- Biology 181
 Biology 182
 Chemistry 151
 Chemistry 152

Please rate the degree of consistency among biology and chemistry presentations in the following areas.

Very Similar
 Similar
 Different
 Very Different
 No Opinion

Scientific Method

- Hypotheses & Predictions
 Experimentation
 Theories
 Parsimony/Occam's Razor
 Inductive & Deductive Reasoning

Data Analysis

- Rounding
 Scientific Notation
 Significant Figures
 Error Analysis
 Precision
 Accuracy
 Statistics
 Graphing
 Calculating Slope
 Linear Regression

Very Similar
 Similar
 Different
 Very Different
 No Opinion

Molecules

- Bond Angles
 Bond Distance
 Shapes
 Polarity
 Isomers

Solutions

- Solvents & Solutes
 Concentrations
 Electrolytes

Acids/Bases

- Acids & Bases
 pH
 Buffers

Reactions

- Oxidation/Reduction
 Half Reactions
 Dehydration Synthesis
 Hydrolysis

Very Similar
Similar
Different
Very Different
No Opinion

Measurements

Use of Metric System

Area & Volume

Temperature

Mass

Pressure

Unit Conversions

Equipment

Glassware

Balances

Spectrophotometers

pH Meters

Atomic Models

Electron Shells

Atomic Theory

Chemical Bonds

Ionic Bonds

Covalent Bonds

Hydrogen Bonds

Intermolecular Forces

Valence

Very Similar
Similar
Different
Very Different
No Opinion

Chemical Equations

Balancing Equations

Reactant Consumption/Product Yield

Energetics

Thermodynamics

Enthalpy

Entropy

Free Energy

Kinetics

Activation Energy

Catalysts and Catalysis

Computer Use

Use of Excel

Use of Word Processing

Use of Internet Resources

Writing

Scientific Paper Format

Citation Style

Use of Figures