

Chemistry SLO to ILO Alignment(No Results)_February 2017

CAN Institutional SLOs

Select, evaluate, and use information to investigate a point of view, support a conclusion, or engage in problem solving.

CAN Dept - Chemistry

CAN CHEM 232 : Organic Chemistry II

Synthetic Methods: Apply a variety of synthetic methods to identify the most appropriate synthetic route to obtain given organic molecules.

CAN CHEM 232 : Organic Chemistry II

Acid-base Strength: Predict and justify the relative acid strength and the relative basicity of a variety of organic acids and bases based on molecular structure, inductive effects and resonance effects.

CAN CHEM 232 : Organic Chemistry II

Organic Reactions: Carry out a variety of organic chemistry reactions such as electrophilic aromatic substitution reactions, aldol condensation reactions, ester saponification reactions, etc.

CAN CHEM 232 : Organic Chemistry II

Separation Scheme: Formulate a separation and purification scheme for a given multicomponent mixture of organic compounds.

Produce, combine, or synthesize ideas in creative ways within or across disciplines.

There are no Results for this SLO

Use language to effectively convey an idea or a set of facts, including the accurate use of source material and evidence according to institutional and discipline standards.

CAN Dept - Chemistry

CAN CHEM 192 : Elementary Chemistry

Density: The student will understand the concept of density.

CAN CHEM 192 : Elementary Chemistry

Matter: The student will understand the three states of matter as well as the difference between a pure substance and a mixture.

Understand and interpret various points of view that emerge from a diverse world of peoples and cultures.

There are no Results for this SLO

Represent complex data in various mathematical forms (e.g., equations, graphs, diagrams, tables, and words) and analyze these data to draw appropriate conclusions.

CAN Dept - Chemistry

CAN CHEM 192 : Elementary Chemistry

Equations: Write, balance, and analyze chemical equations to describe chemical processes

CAN CHEM 220 : General Chemistry II

Gibbs Equation: Using the Gibbs equation, calculate the free energy change, ΔG , from enthalpy, ΔH , and entropy, ΔS , changes.

CAN CHEM 232 : Organic Chemistry II

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