Course SLOs aligned with Program SLOs

San Mateo CCCD

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 235 - Organic Chemistry II

Course Outcomes:

- * 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. (Created By CAN Dept Chemistry)
- * Organic Reactions Carry out a variety of organic chemistry reactions such as electrophilic aromatic substitution reactions, aldol condensation reactions, ester saponification reactions, etc. (Created By CAN Dept Chemistry)
- * Separation Scheme Formulate a separation and purification scheme for a given multicomponent mixture of organic compounds. (Created By CAN Dept Chemistry)
- * Synthetic Methods Apply a variety of synthetic methods to identify the most appropriate synthetic route to obtain given organic molecules. (Created By CAN Dept Chemistry)

CAN CHEM 238 - Organic Chemistry Lab II

Course Outcomes:

* Separation Scheme - Formulate a separation and purification scheme for a given multicomponent mixture of organic compounds. (Created By CAN Dept - Chemistry)

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

No Course Outcomes related to this ISLO.

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

Course Outcomes:

- * Density The student will understand the concept of density. (Created By CAN Dept Chemistry)
- * Matter The student will understand the three states of matter as well as the difference between a pure substance and a mixture. (Created By CAN Dept Chemistry)

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

No Course Outcomes related to this ISLO.

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

Course Outcomes:

* Equations - The student will be able to complete, balance, and apply chemical equations. (Created By CAN Dept - Chemistry)

CAN CHEM 220 - General Chemistry II

Course Outcomes:

* Gibbs Equation - Using the Gibbs equation, calculate the free energy change, ?G, from enthalpy, ?H, and entropy, ?S, changes. (Created By CAN Dept - Chemistry)

CAN CHEM 235 - Organic Chemistry II

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- * Separation Scheme Formulate a separation and purification scheme for a given multicomponent mixture of organic compounds. (Created By CAN Dept Chemistry)

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CAN CHEM 238 - Organic Chemistry Lab II

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