

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 - Computer Information Science

CAN CIS 113 - Internet Programming with Ruby

Course Outcomes:

- * Arrays - Use arrays and hashes effectively (Created By CAN Dept - Computer Information Science)
- * Binary and text files - Read and write binary and text files (Created By CAN Dept - Computer Information Science)
- * Blocks and iterators - Understand and use Ruby blocks and iterators (Created By CAN Dept - Computer Information Science)
- * CGI - Develop CGI programs (with embedded Ruby) (Created By CAN Dept - Computer Information Science)
- * Client/server apps - Develop client/server apps using Ruby (Created By CAN Dept - Computer Information Science)
- * Data types - Distinguish and use various Ruby data types (Created By CAN Dept - Computer Information Science)
- * Exceptions - Use exceptions to handle various run-time errors (Created By CAN Dept - Computer Information Science)
- * Flow control techniques - Implement programming tasks using Ruby flow control techniques (Created By CAN Dept - Computer Information Science)
- * Graphical user interface - Develop Graphical User Interfaces in wxRuby (Created By CAN Dept - Computer Information Science)
- * Modules - Use built-in Ruby modules and create new (user-defined) modules (Created By CAN Dept - Computer Information Science)
- * Ruby on Rails - Develop basic Ruby on Rails applications (Created By CAN Dept - Computer Information Science)

CAN CIS 118 - Intro to Object-Oriented Prgm

Course Outcomes:

- * Arrays and Files - Correctly use an array to store data read from a file, process the data and write the results to a file. (Created By CAN Dept - Computer Information Science)
- * Class - Correctly implement a class in Java and create a driver program to test the class. (Created By CAN Dept - Computer Information Science)
- * decisions - Correctly use decision structures in a Java program to execute alternatives depending on user input. (Created By CAN Dept - Computer Information Science)
- * GUI - Correctly implement a GUI interface for a Java application or applet. (Created By CAN Dept - Computer Information Science)
- * repetition - Correctly use repetition in a Java program to solve a problem. (Created By CAN Dept - Computer Information Science)
- * Simple - Correctly write, compile and execute a Java program to solve a simple problem with user input. (Created By CAN Dept - Computer Information Science)

CAN CIS 250 - Programming Methods I: C++

Course Outcomes:

- * array - Correctly use an array to solve a problem (Created By CAN Dept - Computer Information Science)
- * control - Correctly use control structures in a program (Created By CAN Dept - Computer Information Science)
- * inheritance - Correctly use inheritance to solve a problem (Created By CAN Dept - Computer Information Science)
- * library - Correctly use library classes and exceptions to handle errors in a program (Created By CAN Dept - Computer Information Science)
- * pointers - Correctly use pointers, dynamic memory allocation and file operations to solve a problem. (Created By CAN Dept - Computer Information Science)

CAN CIS 252 - Programming Methods II: C++

Course Outcomes:

- * ADT - Correctly implement an abstract data type (ADT) as a C++ class. (Created By CAN Dept - Computer Information Science)
- * Big-O - Correctly use Big-O notation to describe how the runtime of an algorithm depends on size. (Created By CAN Dept - Computer Information Science)
- * linked-list - Correctly use a linked-list to solve a problem (Created By CAN Dept - Computer Information Science)

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.

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

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

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