Course SLOs aligned with Program SLOs

San Mateo CCCD

CAN Program - Engineering/CIS

Apply knowledge of math, science, and engineering or computer science to identify, formulate, and solve engineering/computer science problems.

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)
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- * 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)
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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)

Use techniques, skills, and modern engineering and computer tools necessary for engineering or computer science practice

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Design and perform tests or experiments, analyze and interpret data, and prepare a report summarizing the results of the tests or experiments.

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Formulate a plan of study to obtain a Bachelor?s degree in engineering or computer science.

No Course Outcomes related to this SLO.