California State University, Stanislaus

[Archived Catalog]

CS 3100 - Data Structures and Algorithms

3 unit(s)

Fundamental concepts and abstraction of data structures. The design and analysis of algorithms involving such data structures as arrays, stacks, queues, lists, trees, strings, graphs, and files. Techniques for estimating the time and memory requirements of computer programs. Several large programming assignments.

Prerequisites: CS 2500.

Hours: (Lecture, 2 hours; laboratory, 2 hours)

[Spring 2024 Schedule of Classes](#) | [University Bookstore](#)