CIS 286 Introduction to Data Structures - Java

CIS 286 INTRODUCTION TO DATA STRUCTURES - JAVA

Design and implementation of larger projects using object-oriented software engineering principles with emphasis on definition and use of data structures including arrays, stacks, queues, linked lists, n-trees, binary trees, hash tables, dictionaries, sets and graphs using JAVA. Standard methods are used for sorting, searching. analyzing the relative efficiency of algorithms (Big-O notation) and recursion. This course conforms to the ACM CS2 standards. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

Prerequisites: CIS 284 or equivalent experience programming in JAVA.

Transfer Credit: CSU, UC

C-ID: COMP 132