Data Structures and Algorithms - CS206

Section: CS206 002251S Main Campus
Credit Hours: 3.00
Course Description: A study of common data and program structures together with associated algorithms. Topics include interfaces, and introduction of the concept of date abstraction and information hiding, design patterns, arrays, stacks, queues, lists, trees, heaps, hash tables, recursion, binary search, and tree traversals. Experience with both use and implementation of these structures and algorithms using a modern programming language. Discussion of tradeoffs involving performance and software maintainability.
Course Notes: Students who have not taken the prerequisite courses must get departmental consent to take this course.
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WHEN Start Date: 08/21/2025 End Date: 12/11/2025
Days:
TR
1:10 PM - 2:40 PM
Campus: Main Campus
Building: Shears Technology Center
Room: STC130

INSTRUCTOR
NABIL ABDULLAH
BOOKS
Title: DATA STRUCTURES AND ALGORITHMS IN JAVA 6TH Edition
Author: GOODRICH
Required: Yes