Course Syllabus

CS 3323: Data Structures

Instructor Information (https://troy.instructure.com/courses/27442/assignments/syllabus#)

Suman Kumar, PhD

Associate Professor, Computer Science

E-mail: skumar@troy.edu (mailto:skumar@troy.edu)

Students: You can contact me via phone during above officer hours too. Also, Please put course title – CS 3323– in the subject line of any emails you send me

Course Description (https://troy.instructure.com/courses/27442/assignments/syllabus#)

A survey of data structures that includes lists, ordered lists, linked lists, stacks, queues and trees. Also included are measurement of program performance and how program performance is affected by alternative data structures. These concepts are presented within an object-oriented framework. Programming labs are included.

Entrance Competencies / Course Prerequisites (https://troy.instructure.com/courses/27442/assignments/syllabus#)

CS 2255, MTH 1125, 2215.

Required Textbooks & Supplementary Materials (https://troy.instructure.com/courses/27442/assignments/syllabus#)

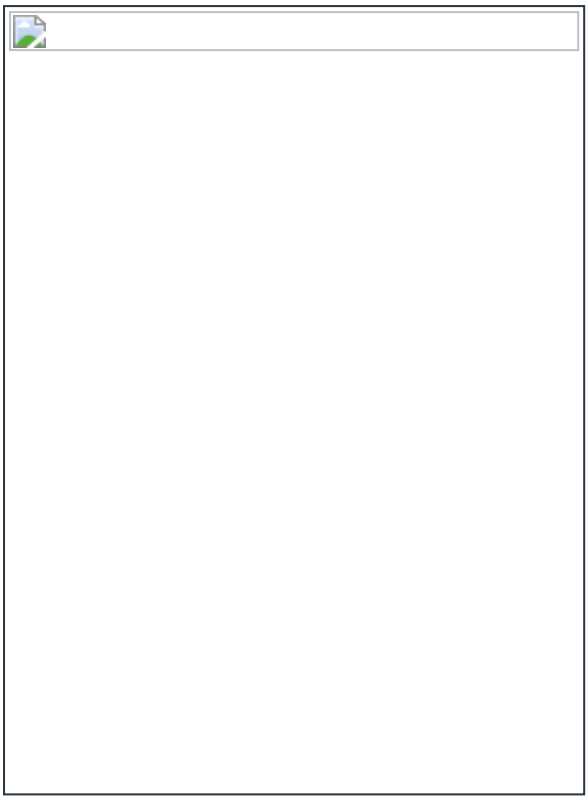
Main TextBook:

Title: **ADTs, Data Structures, and Problem Solving with C++**

Title: Larry Nyhoff

Publisher: Prentice Hall

ISBN: **9780131409095**



Optional TextBook:

Title: **Introduction to Algorithms, (Third Edition)**

Authors: **Thomas H. Cormen, Charles Leiserson, Ronald L. Rivest, Clifford Stein**

Publisher: **Addison Wesley**

ISBN: **978-0262033848** .

Method of Evaluation (https://troy.instructure.com/courses/27442/assignments/syllabus#)

Grades will be based on total points accumulated in the course components below:

Midterm Exam	20%
Final Exam	35%
Quizzes	15%
Assignments and Projects	30%