

Data Structures and Program Design

Course: CPSC.1110.0/CRN 42521; CPSC.1110.1/CRN 42522

Title: Data Structures and Program Design

Class Schedule:
MWF 9:00-9:50 – EMCS 301
Th 10:00-11:50 (Section 0); 2:00-3:50 (Section 1) – EMCS 321

Credit: 4.000 credit hours

Faculty: Craig Tanis; craig-tanis@utc.edu; 423-425-4384; EMCS 314B

Office hours: You may come see me in my office without an appointment, during the times listed below. If none of these times are convenient, contact me and we can schedule a meeting for another time.

Mon: 12:00-3:00 pm
Wed: 12:00-3:00 pm
Thu: 9:00-10:00 am; 12:00-2:00 pm
Fri: 11:00-12:00 pm

ADA Statement:

Attention: If you are a student with a disability (e.g. physical, learning, psychiatric, vision, hearing, etc.) and think that you might need special assistance or a special accommodation in this class or any other class, call the Disability Resource Center (DRC) at 425-4006 or come by the office, 102 Frist Hall.

If you find that personal problems, career indecision, study and time management difficulties, etc. are adversely affecting your successful progress at UTC, please contact the Counseling and Career Planning Center at 425-4438 or <http://www.utc.edu/Administration/CounselingAndCareerPlanning/>.

Text: Big Java (4th ed.) by Horstmann

Material: USB Thumb Drive

Course Overview

<p>Catalog Description: Continued development of programming style using abstract data structures and top-down design. Debugging and testing of large programs. Emphasis on algorithm development. List processing. Recursion. (Stacks, trees, searching and sorting.)</p>

This course follows the **Big Java** text book closely, covering chapters 7-11, 13-16.

In addition to exams, you will be graded on weekly programming labs, as well as a cumulative semester project, to be discussed later.

Grades

Your final grade will be a weighted average of the following components:

Labs/Homework Assignments	35%
Semester Project	15%
3 In-class Exams	35%
Comprehensive Final	15%

Your letter grade will be calculated based on the following percentages:

90 - 100	A
80 - 89	B
70 - 79	C
Lower than 70	F

Class Policies

- All work is subject to the UTC Honor Code (See the UTC Student Handbook). **Make sure you are doing your own work.** Downloading code from the internet and submitting it as your own is considered plagiarism and will be referred to the UTC honor court.
- If you email me, please **do so from your official UTC email account.** You are responsible for checking your UTC email regularly.
- Missed exams will receive a 0. There will be no make-up exams. Your final exam grade will be substituted for your lowest exam grade, if it helps your final grade.
- Students with an A going into the final exam will be exempt from the final.
- All assignments are to be turned in on or before the assigned due date. A 10% penalty will be assessed for each day past the assignment due date. Homework turned in later than one week will receive 0 points.
- We will be using UTC Online (Blackboard) to communicate. You are responsible for knowing how to access and use this system. **This is where you will find assignments, grades and other materials.**
- This syllabus is subject to modification. You will be notified of any syllabus changes via UTC Online or in writing.