CSc 402 Data Structures II

Section 401/410 **Spring 2022**

This course is taught in the real-time virtual classroom. See reverse for more info.
All sessions are recorded. Contact the instructor at once if you have any issue with this.

Meeting Time & Place: 6-8:50 PM W in 158 OM Zoom Link: https://kutztown.zoom.us/j/95503890380

Instructor:	Daniel Spiegel
Office:	251 Old Main; Phone: (610)683-4423 Zoom Link: https://kutztown.zoom.us/j/938432776
Hours:	1-3 M, 1-2 & 4:25-5:55 W, 5-5:30 TH (all available via Zoom). Changes (if any) announced Sundays.
e-mail	spiegel@kutztown.edu
WWW:	http://faculty.kutztown.edu/spiegel

Prerequisites: CSc 237, or equivalent, or unconditional admission to grad program

Text: Data Structures & Problem Solving Using C++, by M.A. Weiss, ISBN: 0-201-61250-X

Exams: There will be 1 midterm(s) and a final exam during final exam week. You must get a passing (60%+) grade on exams, collectively, to pass this course.

Attendance: Optional. You are responsible for material covered in class and the corresponding material in the text. If you do not attend class, the material is assumed to be understood.

Make-ups: You will not be permitted to make up an exam without a documentable excuse for your absence.

Programs: Programming assignments will be issued in class and submitted electronically, using the turnin script. There will be at least three programming assignments. You must earn at least 60% of the possible points on *all* programs, collectively, to pass this course. Submissions are expected to be by the deadline. Submitting late is at your own risk. If I already graded the assignment, you're out of luck.

Your programs are to be well written, fully documented, and easily readable. They must also be modular, with each module handling a single task only and your main routine should be little more than a series of function invocations. Proper object-oriented design is expected. Consistency in style within a program is a must.

Start your programs early. You won't be able to properly grasp concepts if you pull an "all-nighter" to desperately try to finish a program before it is due.

Homework/Participation: Homework assignments may be given periodically. If so, they will be due on a given date; no late submissions will be accepted. Additionally, participation in class and the forum is expected.

Grading: Grading is on a straight 90 80 70 60 scale. Individual exams may be curved, only if necessary. Weights of grades are:

Grade	Scale
A-	[90,93)
B+	[87,90)
B-	[80,83)
C+	[77,80)

Programs:	60%	Homework/Participation/Forum:	5%
Midterm(s):	15%	Final Exam:	20%

Academic Dishonesty:

General Statement: I am against it. Violators will receive the maximum allowable penalty for any infraction.

Programs: Your programs are to be, in the large, your own work. If you use any code that you did not write, omitting credit to the author constitutes academic dishonesty. Using the code of a classmate, or providing your code to a classmate(s) is most definitely academic dishonesty. Feel free to discuss and exchange ideas with your peers, but do your own work.

Classroom Etiquette:

Real-Time Virtual Classroom (RTVC) Info: Pertinent links, including quick-start access are found here:

http://faculty.kutztown.edu/spiegel/RTVC.pdf

Tentative Class Schedule:

  The following is a **tentative** class schedule. It is subject to change. Note that some topics may extend past one week. At the end of each chapter are summaries and exercises. You are expected to include the pertinent topics from the end of each chapter in your reading. Tests may contain items from these sections. Questions on these are welcomed.

CSc 402 Tentative Schedule

Week	Topics	Reading Chapter(s)
1	Review of CSC 237; **string;** Inheritance Algorithm Analysis STL	4 6 7
2-4	Graphs	15
5-7	Trees	18, 19
8-9	Hashing	20
10-11	Heaps	21
12-13	Sets	24
14	Functors Threads (if time)	

Final Exam: TBA