COP 2535, Data Structures

Charles Carter Santa Fe College

January 9, 2023

1 Grading

Evaluation Item	Weight	Metrics			
Readings	None	State			
		is mandatory. Even though the readings are not graded, the material will			
Quizzes	15%	appear on examinations and quizzes. It is essential to read the text. Weekly quizzes will cover the assigned readings. These are short answer			
Quizzes	1970	questions assessed to gauge understanding of the material. Questions will			
		be taken from the Checkpoints in each chapter.			
Labs	15%	Labs are assessed on a pass/fail basis. You will receive a grade for a lab			
		after you have notified me that you have completed the lab. Labs cover the			
		data structures portion of the course, and consist of implementation of the			
		supplied C++ programs.			
Exercises	30%	Weekly programming exercises will be written in C++. These will be assessed on a pass/fail basis.			
Examinations	20%	There will be three examinations, covering the data structures material			
		presented. The will be an individual assessent on an open book open note			
		basis.			
Project	20%	Students will complete one programming project for the term. This will be			
		a multi-week project, with four iterations, each consisting of four phases:			
		requirements, desgn, implementation, and testing.			
Evaluation	5%	The class evaluation carries five additional points. Essentially, this consti-			
		tutes extra credit for submitting your evaluation.			
Total	105%				

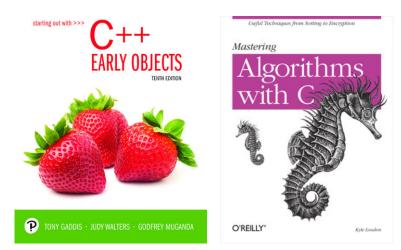
2 Schedule

Due dates are determined by the schedule, shown below. Assignments submitted after the due date are subject to a 100% grade penalty. All assignments are due on Sunday at 2359 hrs./11:59 p.m.. As a general rule, all assignments are due on the day specified. Students are responsible for keeping up with the due dates of all assignments. **Do not fall behind in your deliverables.**

Week	Due Date	Readings	Pages	Project	Exercise	Other
1	January 15	Chapters 1, 2	78	Iter 1, Requirements	Hello	Lab, Quiz
2	January 22	Chapter 3	78	Iter 1, Design	Formulas	Lab, Quiz
3	January 29	Chapter 4	90	Iter 1, Implementation	Conversion	Lab, Quiz
4	February 5	Chapter 5	80	Iter 1, Testing	MagicNumbers	Lab, Quiz
5	February 12	Chapter 6	84	Iter 2, Requirements		Quiz, Exam 1
6	February 19	Chapter 7	102	Iter 2, Design	Cards	Lab, Quiz
7	February 26	Chapter 8	100	Iter 2, Implementation	GuessNum	Lab, Quiz
8	March 5	Chapters 9, 10	104	Iter 2, Testing	MathGames	Lab, Quiz
9	March 12	Chapter 11	104	Iter 3, Requirements	Exceptions	Lab, Quiz
10	March 19	Chapters 12, 13	108	Iter 3, Design		Quiz, Exam 2
11	March 26	Chapters 14, 15	72	Iter 3, Implementation	MagicNumbers	Lab, Quiz
12	April 2	Chapter 16	34	Iter 3, Testing	PasswordDict	Lab, Quiz
13	April 23	Chapter 19	40	Iter 4, Design	HistoryTest 1	Lab, Quiz
14	April 30	Chapter 20	30	Iter 4, Implementation	HistoryTest 2	Lab, Quiz
15	May 1			Iter 4, Testing		Exam 3

3 Required Materials

Books



(a) Starting Out With C++ Early Ob- (b) Mastering Algorithms wit C, jects, Gaddis, Walters, and Muganda

Kyle Loudon

Software

Microsoft Visual Studio 2022, Community Edition, https://visualstudio.microsoft.com/downloads/. Diagramming Software, your choice. We will discuss at office hours.

Student Effort 4

Weekly effort You should allocate 8 to 10 hours per week for this class. This is an estimate — your time will probably vary. You might want to schedule two hours a day, Monday through Friday, in order to complete your work for the week. Here is a breakdown of the estimated weekly effort: reading: 3 hours, quiz: .5 hours, labs: 1 hour, exercise: 2.5 hours, project: 1 hour.

I will keep regular office hours. The times will depend on what is most convenient to the class. We will determine this on the first day of class. I will have a mandatory introduction at the beginning of the term. Even though this is mandatory, no credit is given for attendance and no penalty will be assessed for non-attendance. The purpose of this meeting is a general orientation to the course and to explain the expectations and the expected learning outcomes.