

\*\*\* PROVISIONAL REPORT \*\*\*

UNIVERSITY OF TEXAS AT AUSTIN  
Downing, Glenn P C S371P 52565  
E100 EXPANDED

COURSE-INSTRUCTOR SURVEY  
OBJECT-ORIENTED PROGRAMMING-WB

Spring 2021 DEPARTMENT COPY  
Grade-eligible enrollment = 97  
Surveys Returned = 91

	NUMBER CHOOSING EACH RESPONSE					NO. REPLIES THIS ITEM	AVG.
	Str Disag	Disagree	Neutral	Agree	Str Agree		
1 COURSE OBJECTIVES DEFINED-EXPLAINED	0	0	2	9	79	90	4.9
2 INSTRUCTOR PREPARED	0	1	1	10	77	89	4.8
3 COMMUNICATED INFORMATION EFFECTIVELY	0	0	1	18	71	90	4.8
4 STUDENTS ENCOURAGED-ACTIVE ROLE	0	0	2	20	68	90	4.7
5 INSTRUCTOR AVAILABILITY	0	0	1	18	71	90	4.8
6 COURSE WELL-ORGANIZED	0	0	2	20	68	90	4.7
7 STUDENT FREEDOM OF EXPRESSION	1	0	4	11	73	89	4.7
8 CLASS PARTICIPATION ENCOURAGED	0	0	2	6	82	90	4.9
9 ENGAGING INSTRUCTION	1	0	5	29	55	90	4.5
10 INST. HAD THOROUGH KNOWLEDGE OF SUBJECT	0	0	1	11	78	90	4.9
11 INSTRUCTOR EXPLANATIONS CLEAR	0	0	2	16	72	90	4.8
12 GENUINELY INTERESTED IN TEACHING COURSE	0	0	1	8	81	90	4.9
13 HELPFUL COURSE MATERIALS	0	0	11	28	50	89	4.4
14 ADEQUATE INSTRUCTIONS FOR ASSIGNMENTS	1	0	3	22	63	89	4.6
15 ASSIGNMENTS AND TESTS RETURNED PROMPTLY	0	0	6	32	52	90	4.5
16 ASSIGNMENTS USUALLY WORTHWHILE	0	0	4	23	63	90	4.7
17 STUDENT PERFORMANCE EVALUATED FAIRLY	0	1	3	22	64	90	4.7
18 STUDENT PERCEPTION OF AMOUNT LEARNED	0	0	3	20	66	89	4.7
	Vry Unsat	Unsat	Satisfact	Very Good	Excellent		
19 OVERALL INSTRUCTOR RATING	0	0	2	12	75	89	4.8
20 OVERALL COURSE RATING	0	1	1	19	69	90	4.7
	Excessive	High	Right	Light	Insuff		
21 STUDENT RATING OF COURSE WORKLOAD	1	13	72	1	3	90	
	Less 2.00	2.00-2.49	2.50-2.99	3.00-3.49	3.50-4.00		
22 OVERALL UT GRADE POINT AVERAGE	0	2	0	16	72	90	
	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>F</u>		
23 PROBABLE COURSE GRADE	69	16	4	1	0	90	

For the computation of averages, values were assigned on a 5-point scale so that the most favorable response was assigned a value of 5 and the least favorable response was assigned a value of 1.

COMMENTS:

Total Number of Comments: 51

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1. RESPONSE: Although it can be hard to stay up to date with a standard changing as fast as C++, it was annoying to sometimes look up a class/library we learned in lecture only to find out what we learned has been deprecated/removed from the standard. An example which comes to mind is `std::allocator` which has changed a lot and no longer reflects what we learned in class. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-4, Q5-4, Q6-4, Q7-3, Q8-4, Q9-4, Q10-4, Q11-5, Q12-5, Q13-3, Q14-4, Q15-4, Q16-4, Q17-4, Q18-4, Q19-4, Q20-4, Q21-3, Q22-5, Q23-1,

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2. RESPONSE: I really enjoyed this class. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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3. RESPONSE: I really enjoyed this course overall - especially the engaging format of the classes and clear explanation of assignments. However, there are two things I would change if I could. Not being able to ask questions anonymously on Piazza often discouraged me from posting on Piazza. Also, coding for in-class exercises in random groups over Zoom under a time constraint was more stressful than productive to my learning. It was especially frustrating when some group members would either not contribute at all or were behind on class material (due to the time constraint, it slowed us down). I think giving groups an extended period of time or even making it a group homework assignment would be more helpful. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-4, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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4. RESPONSE: Downing goes through a meticulous number of both right and wrong examples to ensure that you fully and deeply understand the course contents. He's a great teacher who never fails to, even in a virtual setting, makes students feel included and comfortable to ask questions. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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5. RESPONSE: This was a worthwhile course. Cold-calling was much less stressful than I was expecting, and it seemed to be very effective at ensuring class engagement. The projects were interesting without being impossibly difficult. Many of them took me longer than I was expecting, because they were easy to understand conceptually, but had a lot of nuances and corner-cases to consider while implementing them-- a very good balance to strike, in my opinion. GitLab was the perfect choice for the projects: I entered this class knowing almost nothing about its useful features, and now that I've learned how to work with them, I'll definitely be using them in future projects. I appreciate the grading scheme allowing for multiple drops on the more minor assignments and the numerous extra credit opportunities. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-4, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-5, Q22-5, Q23-1,

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6. RESPONSE: The most challenging aspects of my learning experience was the projects, as they each took at least 10 hours to complete. The cold calling was very valuable and it kept me engaged during the lectures. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-2, Q22-5, Q23-1,

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7. RESPONSE: Really great course -- I learned a lot about C++ and the STL. I could tell Downing really cares about the students and always makes an attempt to engage with us outside of class (Microsoft Teams, the blogs, etc...). // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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8. RESPONSE: Great job teaching, and thank you for a great semester. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-0, Q20-5, Q21-3, Q22-5, Q23-1,

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9. RESPONSE: Lectures were more engaging than other classes and the cold calling helped make it interactive for an online class. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-4, Q2-4, Q3-4, Q4-5, Q5-4, Q6-4, Q7-5, Q8-5, Q9-4, Q10-4, Q11-4, Q12-4, Q13-3, Q14-4, Q15-4, Q16-4, Q17-4, Q18-4, Q19-4, Q20-4, Q21-2, Q22-5, Q23-1,

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10. RESPONSE: Everything in this class was very clearly documented on the website, and class notes were consistently updated. Honestly one of the most structured classes I've taken so far. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-4, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-4, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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11. RESPONSE: this class was amazing, thank you. i learned so much. the explanations were succinct and really well said. hope you had a great semester too :) // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-2,

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12. RESPONSE: Love the course. If I did like C++ better and did not have a thesis + other commitments, I would have strived for an A, but the instructor was very accommodating about letting me use a Covid pass/fail. Definitely would take more courses with Prof Downing. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-4, Q12-5, Q13-4, Q14-5, Q15-5, Q16-4, Q17-5, Q18-4, Q19-5, Q20-4, Q21-3, Q22-4, Q23-3,

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13. RESPONSE: The only feedback I have for the course is the fact that the absence of slip days for the projects can make some of them seem intimidating especially the later ones, and especially when a student might struggle to find work partners! This is concerns compounded by the fact that the late point deduction is pretty harsh in of itself. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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14. RESPONSE: I really liked the daily quizzes rather than exams. Cold-calling also wasn't as intimidating as I thought since Dr. Downing walks you through the material step by step. The project is a good amount of workload too. One thing that could be improved is that sometimes the TA's wouldn't be on the same page (Different TA's would tell me different answers sometimes). But overall, I thought this class was very interesting, engaging, and organized! // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

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15. RESPONSE: Besides a project being due immediately following spring break, I thought this class was great and worthwhile. Not a crazy amount of work but enough to make you work for your grade. // SURVEY SUMMARY (Question Number-Scale Position) // Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-4, Q12-5, Q13-4, Q14-5, Q15-4, Q16-5, Q17-5, Q18-4, Q19-5, Q20-4, Q21-3, Q22-5, Q23-1,

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16. RESPONSE: This is a great class. Professor Downing is one of the best teachers that I have had the pleasure to take at UT. He goes into great detail about C++ and OOP in general. The cold calling help greatly with helping me paying attention especially

with how difficult it is to pay attention in Zoom University. Taking this class has made me better at C++ and, in general, into a better programmer. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-0, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

17. RESPONSE: Instructor likes to tack on a lot of information he finds useful or necessary for up-and-coming computer scientists. It varies widely in actual application to OOP (especially the one-sided political message being pushed). /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-3, Q2-2, Q3-4, Q4-3, Q5-4, Q6-3, Q7-1, Q8-4, Q9-1, Q10-4, Q11-3, Q12-4, Q13-3, Q14-1, Q15-4, Q16-3, Q17-3, Q18-3, Q19-3, Q20-3, Q21-3, Q22-5, Q23-1,

18. RESPONSE: Professor Downing was an excellent professor! He was kind to all of his students and showed genuine interest in our learning and success! I would love to take more classes with him down the line! /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-4, Q23-2,

19. RESPONSE: I really liked the daily quizzes because they made sure I went to class and payed attention so I could get good grades on those. Without the daily quizzes, I might have skipped class and gotten behind which would have stressed me out, especially if I had to study for tests every couple weeks, it would have piled up quickly. The daily quizzes made sure I stayed on track. I liked that the projects were partner based because that made it easier and I liked that you had to have a different partner each time because I got to meet new people. I also liked the papers because they were very relevant. The blogs were ok, I didn't really enjoy them but it was a good way to pause and reflect on the class. The exercises in class were a little difficult because our group couldn't figure it out a couple of times but a good experience working together with people you don't really know. Overall, this class was structured really well and I very much enjoyed taking it. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-3, Q8-3, Q9-3, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-4, Q17-4, Q18-4, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

20. RESPONSE: Really great professor that explains C++ concepts extremely well. Came in with no C++ knowledge and can say that I have prepared for my internship 100%. Love the class structure with no exams and all projects. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-4, Q5-5, Q6-5, Q7-4, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-4, Q14-4, Q15-4, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

21. RESPONSE: Excellent class and instructor. Dr. Downing is great at making students feel comfortable with speaking up. It's incredibly easy to ask questions, and Dr. Downing will walk you through the problem in a way where he ensures you understand it. The projects are great and have made me a much stronger programmer. Other specifics: cold calling is honestly a great idea, especially with zoom classes. It feels like less of a lecture, and more of a discussion (while maintaining the quality of a lecture). I really like the quizzes, as they spread the stress of test-taking. As for downsides to the course, I'm really having trouble thinking of any. I guess the only issue is that seniors take this course, and some of them put minimal effort into the group activities (don't help in the exercises, their Perusall annotations are incredibly low quality, etc). /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

22. RESPONSE: The course was great! The only suggestion I have is to be a little more sensitive to cutting off students while they're chatting with you in class (although this might just be because of Zoom). /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

23. RESPONSE: Downing is an AMAZING instructor. This is not the first class of his that I have taken, and every experience that I've had with him is spectacular. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-4, Q23-2,

24. RESPONSE: I enjoyed the course but expected to learn more about object-oriented design. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-4, Q2-4, Q3-4, Q4-4, Q5-4, Q6-4, Q7-5, Q8-5, Q9-4, Q10-4, Q11-4, Q12-5, Q13-4, Q14-4, Q15-4, Q16-4, Q17-4, Q18-4, Q19-5, Q20-4, Q21-3, Q22-5, Q23-1,

25. RESPONSE: I personally find it more helpful when professors present with powerpoint slides made available to the students because they can be a quick and easy reference for the future. Also, the paper assignments were thought-provoking but I don't tend to get much from annotations. Maybe in the future students could choose between annotations and writing a 2-3 paragraph summary although I suppose that removes some of the interaction between students. Other than that, I really enjoyed the in class exercises for the despite some quirks on a few of them and the projects were pretty neat. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-4, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-4, Q14-5, Q15-5, Q16-4, Q17-4, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-2,

26. RESPONSE: I really enjoyed this class because the lectures were extremely engaging, and Professor Downing was the nicest and most caring professor I've had to date. He was always encouraging when questions were asked or if a student was unsure about the material. I truly wish I could've taken this class in person, because I know it would've been even better. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-4, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-2, Q22-4, Q23-2,

27. RESPONSE: It's by far the best course I've ever taken at UT Austin. Dr. Downing explains all the materials very clearly and gives interesting exercises and projects that help us get familiar with all those concepts. Keep up the great work! /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

28. RESPONSE: I really enjoyed this class and found the material really practical and useful. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-4, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

29. RESPONSE: I really like Dr. Downing's class. Class is organized and all the project and quiz are all related to the lecture. The only one thing confused me is how to use virtual and abstract class for the last project and Dr. Downing covers those on the Friday which is 4 days before due. If you could cover those on Wednesday that will perfect for this class. Thank you for what you have done for us. I really appreciate it. See you in the fall on SWE. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-5, Q22-5, Q23-1,

30. RESPONSE: Comparing the format of the class excluding the projects with SWE from last semester, I would say I liked the format in OOP more than SWE. I felt less stressed with no exams in OOP. I didn't mind having the individual quizzes. I felt like it was better timewise since taking the quiz twice took up more time. What I liked least about the format or aspect of the class was the graded exercises, however, I way prefer these and a heavier weight on the quizzes than exams. Overall, I thought what I learned was meaningful, and it was enjoyable. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-4, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-4, Q19-5, Q20-5, Q21-3, Q22-5, Q23-2,

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31. RESPONSE: Thank Prof. Downing for providing us such an excellent class! I only have one little complaint is that sometimes we were provided the code a little bit late for the quiz. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

32. RESPONSE: The material we covered in this class has never been very intuitive for me, so I feel like I really benefited from this course—especially the lectures and quizzes. Rewatching lectures has also been very helpful for me so if possible I hope you're able to continue that in your in-person classes. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-4, Q12-5, Q13-4, Q14-4, Q15-5, Q16-5, Q17-5, Q18-5, Q19-4, Q20-4, Q21-2, Q22-5, Q23-2,

33. RESPONSE: I loved how this class is structured. Hopefully it stays like this for future students. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

34. RESPONSE: I didn't really get much from the blogs and I feel like Perusall motivated me more to make comments than to read or understand the material presented in the papers. However, the projects and lectures were extremely informative and productive. I thought most of the exercises were pretty easy, though whether or not that was the intention I'm unsure. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-4, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-3, Q14-4, Q15-5, Q16-3, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

35. RESPONSE: Professor Downing is an excellent professor, and I have enjoyed both two semesters I was in his class. OOP is an extremely valuable class for any Computer Science student, and I would highly encourage anybody else to take it too. The weekly papers and blogs, while sometimes can be tedious, is a useful source of engagement for the students. The projects were interesting and challenged me in tackling the problems he had provided. The main thing I would personally say would improve the class is tweaking the exercises / no exams. The exercises were there to gauge and test us on how well we were doing. However, two issues commonly arose, limiting time constraints and poor communication. The exercises were sometimes too spontaneous, even if they design to be, so completing them properly wasn't always possible. Having no exams still feels a bit weird for me, while I do think projects do challenge us and force us to learn the materials in class. There is a lot of nuance in C++ that goes unnoticed when it is not directly tested, especially in the Hackerranks. Another thing that I think could improve the class is at least for the last two projects. I felt the instructions provided and the rubric was not as clear on what needed to be implemented. Either way, I did thoroughly enjoy this. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-4, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-4, Q14-5, Q15-5, Q16-5, Q17-4, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

36. RESPONSE: The best thing about the projects was how they felt like they built upon each other. In Collatz, coding the actual problem was simple, but I had to learn a lot to be able to write/run tests, use makefiles, etc. Each project had us focus on 1 new idea (makefiles, data structures, classes, inheritance) in a very constructive manner. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-4, Q6-4, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-4, Q14-4, Q15-3, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

37. RESPONSE: I really loved taking this course. Prof. Downing was really amazing at making the topics interesting and engaging and I feel like I left this course with a solid understanding of C++. He was also very accommodating when the winter storm hit, as well as with my personal circumstances. Overall, I very much enjoyed the course and hope to take another course with him while I am at UT! /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-2, Q22-5, Q23-1,

38. RESPONSE: I took SWE the semester before and I am once again happy with taking a class with Downing. Before this semester I had limited experience with C++, so it was really nice to learn a lot about its intricacies. Group exercises could get messy if group mates did not participate or we could not receive help, but I think it was fair enough especially with the drops. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-4, Q3-4, Q4-4, Q5-5, Q6-4, Q7-5, Q8-5, Q9-4, Q10-4, Q11-5, Q12-5, Q13-4, Q14-4, Q15-4, Q16-4, Q17-4, Q18-4, Q19-4, Q20-4, Q21-3, Q22-5, Q23-1,

39. RESPONSE: This class was pretty awesome. I had SWE with you last semester but I enjoyed OOP more because I felt that I understood the material more after every lecture. The change of removing the exams but keeping the exercises and weighing them more was the right call to do. However, it was a bit difficult to engage people to work on them since most of my groups had times where we legit didn't pay attention and had a rough time completing them. I'm glad for the 5 dropped exercises though. The exercises were pretty straightforward, yet challenging to complete. I definitely learned a lot about C++ from them. The papers were great, but they were the same as SWE so I didn't learn much from them this time around. I really like the blog posts because it was a nice way to recap as to what progress I've done over the weeks. It was helpful for keeping myself accountable for my progress. Overall, it was a great class and I am honored to have taken both classes this year. Thank you! /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-4, Q4-5, Q5-4, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-3, Q14-5, Q15-4, Q16-5, Q17-4, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

40. RESPONSE: Although I didn't perform as well as I could have in this class, it is my own fault. I really enjoyed this class, and feel like I have a much better understanding of how OOP works now. However, I sometimes had a difficult time because like to procrastinate. The projects don't take a ton of time, but there are a lot of small things that are easy to forget about if the projects aren't started early. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-4, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-4, Q17-3, Q18-4, Q19-5, Q20-4, Q21-3, Q22-4, Q23-3,

41. RESPONSE: What worked well: cold-calling for participation, graded quizzes and exercises and no exams (for the online learning environment). Overall, I enjoyed the structure of the course. I think graded quizzes should continue in the future because it helps reinforce concepts throughout the semester which would aid in exam prep/content retention. Cold-calling and group exercises should continue as well. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

42. RESPONSE: The class was pretty good. One thing I would recommend is doing merge requests faster for the projects. If it turns out that there is an issue with our tests, it is likely that we would not find out until after the due date. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-4, Q3-4, Q4-4, Q5-4, Q6-4, Q7-4, Q8-5, Q9-4, Q10-4, Q11-4, Q12-4, Q13-3, Q14-5, Q15-3, Q16-4, Q17-4, Q18-4, Q19-4, Q20-4, Q21-3, Q22-5, Q23-1,

43. RESPONSE: I really enjoy and appreciate Professor Downing's passion for what he teaches. It keeps me engaged in this class and during his lectures. /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-4, Q2-5, Q3-5, Q4-4, Q5-4, Q6-4, Q7-4, Q8-5, Q9-4, Q10-4, Q11-4, Q12-5, Q13-4, Q14-4, Q15-4, Q16-4, Q17-4, Q18-4, Q19-4, Q20-4, Q21-3, Q22-5, Q23-1,

44. RESPONSE: Loved your class and thought it was a lot of work at times but I found it valuable because I still learned /// SURVEY SUMMARY (Question Number-Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-2, Q22-5, Q23-1,

45. RESPONSE: Well structured class with pretty straightforward assignments and projects. Professor was prepared and made the class run smoothly. Only thing I did not like was cold calling during lectures but I saw why he would do it. /// SURVEY SUMMARY

(Question Number–Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-4, Q5-4, Q6-5, Q7-4, Q8-5, Q9-4, Q10-5, Q11-4, Q12-4, Q13-4, Q14-4, Q15-5, Q16-4, Q17-4, Q18-4, Q19-5, Q20-5, Q21-3, Q22-4, Q23-1,

46. RESPONSE: Professor Downing is knowledgeable, approachable, friendly, and a great lecturer. My only one small complaint is that he sometimes gets overexcited and interrupts students while they're still speaking. I don't think he is doing this on purpose, but as a student it can sometimes feel a bit jarring. Still, Downing is a fantastic professor and I learned a lot in this class. /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-5, Q2-5, Q3-4, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-4, Q16-4, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

47. RESPONSE: The objectively best structured class in the department. The cold calling keeps you attentive and engaged. The assignments encourage collaboration and quantitative reasoning. The daily quizzes test your knowledge fairly, encourage you to pay attention, and are frequent enough to be little pressure. The exercises are fun, engaging, and collaborative. Sometimes I wish we had more time for them though. The weekly blogs are awesome because they reinforce a really healthy habit. And the weekly papers broaden the scope of our knowledge. The course is able to accomplish all of this while remaining relatively low stress and workload, so I couldn't recommend this class enough. Absolutely wonderful work Professor Downing /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-3, Q22-5, Q23-1,

48. RESPONSE: Overall, this was a pretty good class. It's very well organized but doesn't feel like things will fall apart if we get off schedule. This class actually reminds me a lot of taking CS 314 with Mike Scott, which I really like. I also like that we learned some important software development tools as most classes don't introduce you to them. I also think there was a fair amount of dropped grades, giving leeway for when life happens. I also like that we had daily quizzes rather than a midterm/final as it's low stakes and easier to keep up with. However, I feel like the assignments were kind of large. As someone with no prior C++ experience, I had to spend a lot of extra time on the assignments and I could spend up to 40 hours on a single assignment, which is a lot of time to give to one class for one program. /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-4, Q10-5, Q11-5, Q12-5, Q13-4, Q14-4, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-4, Q21-2, Q22-4, Q23-2,

49. RESPONSE: The workload for the projects seemed excessive, and a lot of things such as having to make a gitlab project, html, log file, everything other than the actual project itself seemed to me unnecessary. The turning in requirements its unnecessarily strict. Such as in the blog, several times I did all the work, but because my link was blue I didn't get credit. Due to personal issues, I didn't look at my grades, so I did not realize that I didn't get credit until much later, when it was too late. However, in the first place having a due date to correct the links to make them blue is nonsensical. I'm okay with not getting credit if links weren't blue because it makes in inconvenient for the graders, but having a link correction due date makes no sense. Same thing on the quizzes, if its a multiple answer question, if I make one mistake, I don't get partial credit. Its this all or nothing grading policy that I especially dislike. /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-4, Q2-5, Q3-4, Q4-4, Q5-4, Q6-5, Q7-3, Q8-5, Q9-3, Q10-5, Q11-4, Q12-4, Q13-4, Q14-4, Q15-4, Q16-3, Q17-2, Q18-4, Q19-3, Q20-2, Q21-1, Q22-4, Q23-3,

50. RESPONSE: I enjoyed this class, and Professor Downing was an excellent professor. Having taken one of Professor Downing's classes in the past, I am familiar with his lecture style. Professor Downing's lectures are very well-organized and well-planned. Although the cold-calling may seem intimidating at first, I think it is very useful because it motivated me to stay more focused in class and not get distracted. Professor Downing is also not intimidating at all when it comes to cold-calling. It is more of just a conversation, and it is totally okay to not say the correct answer to his question. I liked all five of the projects in this class. I thought they were all very useful in helping me develop my C++ skills. I also liked that Professor Downing made us have different partners for each of our projects because that allowed me to meet more new people in the class. Overall, I enjoyed the format of this class and thought Professor Downing did a great job teaching it. /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-5, Q2-5, Q3-5, Q4-5, Q5-5, Q6-5, Q7-5, Q8-5, Q9-5, Q10-5, Q11-5, Q12-5, Q13-5, Q14-5, Q15-5, Q16-5, Q17-5, Q18-5, Q19-5, Q20-5, Q21-2, Q22-4, Q23-1,

51. RESPONSE: Other than the fact that this class went over time almost every day, great class. I appreciated the in-depth examples about C++. /// SURVEY SUMMARY (Question Number–Scale Position) /// Q1-5, Q2-4, Q3-4, Q4-4, Q5-5, Q6-4, Q7-5, Q8-5, Q9-4, Q10-4, Q11-4, Q12-5, Q13-4, Q14-4, Q15-4, Q16-4, Q17-4, Q18-0, Q19-5, Q20-4, Q21-3, Q22-5, Q23-1,