CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | R | I | O | 1 | L | S |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50				absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.							☒
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☒
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.						☒	
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☒	☐	☐
5. Comprehend a complex divide-and-conquer algorithm.					☒		
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☒	☐
7. Come up with an algorithm once someone helped me get started.					☒		
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☒	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.						☒	
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☒	☐	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.					☒		
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☒	☐	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.					☒		
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☐	☒	☐	☐

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	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☒	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☒	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☒	☐	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☒	☐	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☒	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☒	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☒	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☒	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☒	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☒	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☒	☐	☐

Which topic in the course was most challenging? Which did you like best?

- Dynamic programing most challenging
- Enjoyed analyzing time on recursive algorithms

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

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Survey code: `I A 2 1 0 Y`

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4. Organize and design an algorithm in a modular manner.	☐	☐	☑	☐	☐	☑	☐
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☐	☐	☑
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☐	☐	☑
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☐	☐	☑
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☐	☐	☐	☑
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☐	☑
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
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13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☐	☐	☑	☐
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16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☑
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☑
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☑
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	☑
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☐	☑
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☑

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	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
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24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☑	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☑	☐	☐

Which topic in the course was most challenging? Which did you like best?

- graphs. Working with a new data type after thinking very basic for the entire semester was difficult

Do you have any other feedback regarding the course or the labs?

no

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

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Survey code: | E | L | 2 | 3 | √ | A |

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4. Organize and design an algorithm in a modular manner.							☒
5. Comprehend a complex divide-and-conquer algorithm.			☒				
6. Come up with an algorithm if I could call someone for help if I got stuck.					☒		
7. Come up with an algorithm once someone helped me get started.						☒	
8. Come up with an algorithm if I had a lot of time.					☒		
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.					☒		
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25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☒	☐	☐

Which topic in the course was most challenging? Which did you like best?

Dynamic Programming was the Hardest

Sorting was the easiest

Do you have any other feedback regarding the course or the labs?

Perhaps the labs could be shorter, or worth a much larger portion of the grade.

CS2200: Algorithms (Post-Course)

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Survey code: | U | 2 | o | 7 | T | K |

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Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

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25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☑	☐	☐

Which topic in the course was most challenging? Which did you like best?

Dynamic Programming was the hardest for me.

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

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Survey code: | E | L | O | 2 | F | W |

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25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☐	☑

Which topic in the course was most challenging? Which did you like best?

↓ on time analysis

↘ dynamic programming

Do you have any other feedback regarding the course or the labs?

I really liked them

CS2200: Algorithms (Post-Course)

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Survey code: | 9 | ε | 3 | 3 | ε | 9 |

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17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☑	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☑	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☑	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☑	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☑	☐	☐	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☑	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☑	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☑	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☑	☐

Which topic in the course was most challenging? Which did you like best?

Initial sort Algorithms

→ Greeks

Do you have any other feedback regarding the course or the labs?

More Labs No Tests. Test were weirdly worded and often could be done if given more Time

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | N | N | 2 | 2 | B | O |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☒
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☒
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☒	☐	☐
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☒	☐	☐
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☒	☐	☐
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☒
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☒	☐	☐
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☒	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☒	☐	☐	☐
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☒	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☒
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☒	☐	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☒	☐	☐	☐
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☒	☐	☐	☐

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☒	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☒
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☒
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☒
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☒	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☒	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☒

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☒	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☒	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☒	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☒	☐	☐

Which topic in the course was most challenging? Which did you like best?

Most challenging - writing recursions

Best - dynamic programming

Do you have any other feedback regarding the course or the labs?

No

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | M | A | R | J | S | A |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50				absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☒
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☒	☐
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☐	☒	☐
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☒	☐	☐
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☒	☐	☐
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☒	☐	☐
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☒	☐	☐
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☒	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☒	☒	☐	☐
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☒	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☒	☐
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☐	☒	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☐	☒	☐	☐
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☒	☐	☐	☐

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☒	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☒	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☒	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☒	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☒	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☒	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☒	☐	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☒	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☒	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☒	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☒	☐

Which topic in the course was most challenging? Which did you like best?

Most challenging: dynamic programing, heaps

Liked best: recursion, running times, graphs.

Do you have any other feedback regarding the course or the labs?

Professor Toma was great. She really has found a good way to explain topics that are hard, via a lot of examples. She is always available to answer questions.
My only comment would be to have exams also check our ability to know the basics. Ex. Run Prim on the following

graph. These questions do not have to be worth much but they are simply things that can show you if the students also know the basics.

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | U | C | 0 | 2 | R | Y |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50				absolutely confident
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☑
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☑
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☑	☐	☐	☐
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☑	☐	☐
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☑	☐	☐	☐
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☑	☐	☐
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☑	☐	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☑	☐	☐	☐
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☑	☐	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☑	☐	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☑	☐	☐	☐
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☑	☐	☐	☐

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50				absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☑	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☑
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☑	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☑
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☑	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☑	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☑

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☑	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☑	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☑	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☑	☐	☐

Which topic in the course was most challenging? Which did you like best?

Graphs + DP challenging
I liked dynamic programming though!

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | O | N | 1 | 6 | 5 | D |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.						☒	
2. Write a pseudocode description for solving a small problem that is familiar to me.						☒	
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.						☒	
4. Organize and design an algorithm in a modular manner.					☒		
5. Comprehend a complex divide-and-conquer algorithm.				☒			
6. Come up with an algorithm if I could call someone for help if I got stuck.						☒	
7. Come up with an algorithm once someone helped me get started.					☒		
8. Come up with an algorithm if I had a lot of time.						☒	
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.						☒	
10. Mentally trace through the execution of an iterative algorithm given to me.						☒	
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.						☒	
12. Analyze the running time of an algorithm once someone else helped me get started.						☒	
13. Analyze the running time of an algorithm if I had a lot of time to do so.						☒	
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.						☒	

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☒	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☒	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☒	☐	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☒	☐	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☒	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☒	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☒

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☒	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☒	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☒	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☒	☐

Which topic in the course was most challenging? Which did you like best?

Dynamic Programming

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | B | I | S | K | H |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

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	not confident at all	50/50				absolutely confident
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1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☒
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☒
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☐	☐	☒
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☐	☐	☒
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☐	☐	☒
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☒
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☐	☐	☒
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☐	☐	☒
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☐	☐	☐	☒
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☐	☒
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☐
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☐	☐	☒
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☐	☐	☒	☐
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☐	☐	☒	☐

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all			50/50		absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☐	☒
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☒
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☒
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☒
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	☒
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☐	☒
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☒

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☐	☒
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☐	☒
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☐	☒
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☐	☒

Which topic in the course was most challenging? Which did you like best?

The most challenging section of the course, which was also my favorite, was dynamic programming.

Do you have any other feedback regarding the course or the labs?

The course definitely improved my understanding of algorithms and especially runtime. The course difficulty was pretty good, though we could have moved a bit faster through certain material.

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | N | Z | Z | L | T |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.						☑	
2. Write a pseudocode description for solving a small problem that is familiar to me.						☑	
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.					☑		
4. Organize and design an algorithm in a modular manner.				☑			
5. Comprehend a complex divide-and-conquer algorithm.					☑		
6. Come up with an algorithm if I could call someone for help if I got stuck.					☑		
7. Come up with an algorithm once someone helped me get started.					☑		
8. Come up with an algorithm if I had a lot of time.				☑			
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.			☑				
10. Mentally trace through the execution of an iterative algorithm given to me.					☑		
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.					☑		
12. Analyze the running time of an algorithm once someone else helped me get started.					☑		
13. Analyze the running time of an algorithm if I had a lot of time to do so.				☑			
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.			☑				

Please continue on the next page....

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☑	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☑
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☑
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☑
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☑	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☑	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☑

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☑	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☑	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☑	☐	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☑	☐	☐

Which topic in the course was most challenging? Which did you like best?

Challenging - dynammic programming

Best - graph

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: `4 t 0 6 0 5`

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.						☒	
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☒	☐
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.			☒				
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☒	☐	☐
5. Comprehend a complex divide-and-conquer algorithm.					☒		
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☒	☐	☐
7. Come up with an algorithm once someone helped me get started.					☒		
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☒	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.					☒		
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☐	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.							
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☒	☐	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.					☒		
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☐	☒	☐	☐

Please continue on the next page....

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☒	☐	☐	☐	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☒	☐	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☒	☐	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☒	☐	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☒	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☒	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☒	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☒	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☒	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☒	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☒	☐	☐

Which topic in the course was most challenging? Which did you like best?

skyline

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | R | 0 | 1 | L | I |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☒
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☒
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☐	☒	☐
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☐	☒	☐
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☐	☒	☐
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☒	☐
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☐	☒	☐
8. Come up with an algorithm if I had a lot of time.	☐	☐	☒	☐	☐	☐	☐
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☒	☐	☐	☐
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☒	☐	☐
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☒	☐	☐
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☒	☐	☐
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☒	☐	☐	☐	☐
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☒	☐	☐	☐	☐	☐

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☒	☐	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☒
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☒	☐
18. Understand the dynamic programming paradigm.	☐	☐	☒	☐	☐	☐	☐
19. Comprehend a dynamic programming algorithm.	☐	☒	☐	☐	☐	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☒	☐	☐	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☒

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☒	☐	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☒	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☒	☐	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☒	☐	☐	☐

Which topic in the course was most challenging? Which did you like best?

- Dynamic programming
- Intro to Running Time

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | T | 3 | O | W | K |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

| | not confident at all | 50/50 | | | | absolutely confident |
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	☑
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	☑
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☐	☐	☑
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☐	☐	☑
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☐	☐	☑
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☐	☐	☑
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☐	☐	☑
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☐	☐	☐	☑
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☐	☑
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	☑
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☐	☐	☑
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☐	☐	☐	☑
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☐	☐	☐	☑

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☐	☑
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	☑
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☑
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☑
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	☑
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☐	☑
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☑

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☐	☑
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☐	☑
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☐	☑
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☐	☑

Which topic in the course was most challenging? Which did you like best?

Dynamic programming was the hardest when we first learned it just because it was different then anything I'd ever seen. However after doing the lab about it, it wasn't any harder then the other subjects

Do you have any other feedback regarding the course or the labs?

I liked the labs for the most part! However, the pace of the course was pretty slow. I found the exams to be quite easy, but I think this was a product of the relatively small amount of material rather than the questions themselves being too easy. We spent a long time reviewing things we'd already learned. I think that should be left to us as students to do on our own time if we're confused.

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | M | 0 | 5 | 0 | 2 | W |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.						☒	
2. Write a pseudocode description for solving a small problem that is familiar to me.					☒		
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.				☒			
4. Organize and design an algorithm in a modular manner.				☒			
5. Comprehend a complex divide-and-conquer algorithm.				☒			
6. Come up with an algorithm if I could call someone for help if I got stuck.					☒		
7. Come up with an algorithm once someone helped me get started.				☒			
8. Come up with an algorithm if I had a lot of time.				☒			
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.			☒				
10. Mentally trace through the execution of an iterative algorithm given to me.		☒					
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.					☒		
12. Analyze the running time of an algorithm once someone else helped me get started.				☒			
13. Analyze the running time of an algorithm if I had a lot of time to do so.				☒			
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.			☒				

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☒	☐	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☒	☐	☐	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☒	☐	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☒	☐	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☒	☐	☐	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☒	☐	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☒	☐	☐	☐	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☒	☐	☐	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☒	☐	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☒	☐	☐	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☒	☐	☐	☐	☐

Which topic in the course was most challenging? Which did you like best?

Recurances. I was struggling from the first day. Dynamic programming and divide and conquer made sense when talking about how each works but implementing was really difficult.

Do you have any other feedback regarding the course or the labs?

Make the labs worth more, Right now, exams are worth 65% of our grade while labs are only 25%. We spend most of our time doing labs so I feel like we should get more credit for them.

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | O | S | a | b | W | D |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.							X
2. Write a pseudocode description for solving a small problem that is familiar to me.							X
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.						X	
4. Organize and design an algorithm in a modular manner.				X			
5. Comprehend a complex divide-and-conquer algorithm.						X	
6. Come up with an algorithm if I could call someone for help if I got stuck.						X	
7. Come up with an algorithm once someone helped me get started.						X	
8. Come up with an algorithm if I had a lot of time.						X	
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.					X		
10. Mentally trace through the execution of an iterative algorithm given to me.							X
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.							X
12. Analyze the running time of an algorithm once someone else helped me get started.							X
13. Analyze the running time of an algorithm if I had a lot of time to do so.							X
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.						X	

Please continue on the next page....

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☒	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☒	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☒
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☒
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	☒
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☒	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☒	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☒	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☐	☒
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☒	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☒	☐

Which topic in the course was most challenging? Which did you like best?

- most challenging → dynamic programming
- liked best → graphs

Do you have any other feedback regarding the course or the labs?

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | T | 1 | S | U | D |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all	50/50					absolutely confident
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.							✓
2. Write a pseudocode description for solving a small problem that is familiar to me.						✓	
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.					✓		
4. Organize and design an algorithm in a modular manner.					✓		
5. Comprehend a complex divide-and-conquer algorithm.					✓		
6. Come up with an algorithm if I could call someone for help if I got stuck.							✓
7. Come up with an algorithm once someone helped me get started.						✓	
8. Come up with an algorithm if I had a lot of time.			✓				
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.				✓			
10. Mentally trace through the execution of an iterative algorithm given to me.						✓	
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.						✓	
12. Analyze the running time of an algorithm once someone else helped me get started.						✓	
13. Analyze the running time of an algorithm if I had a lot of time to do so.				✓			
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.				✓			

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☑	☐	☐	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☑	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☑	☐
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☑	☐
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☑	☐
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☑	☐	☐	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☑	☐	☐	☐

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true				very true
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☑	☐	☐
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☑	☐	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☑	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☑	☐

Which topic in the course was most challenging? Which did you like best?

Divide & Conquer and dynamic programming -> hard to understand. I liked graphs and graph algorithms.

Do you have any other feedback regarding the course or the labs?

Hard class but rewarding. Thank you!

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | H | A | 2 | 2 | P | X |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01, 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

For the mathematically inclined: There are 26 letters in the alphabet and up to 31 days per month, so the above coding scheme allows for $31 \cdot 26^4 = 14,166,256$ possible codes.

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.	☐	☐	☐	☐	☐	☐	■
2. Write a pseudocode description for solving a small problem that is familiar to me.	☐	☐	☐	☐	☐	☐	■
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.	☐	☐	☐	☐	☐	■	☐
4. Organize and design an algorithm in a modular manner.	☐	☐	☐	☐	☐	☐	■
5. Comprehend a complex divide-and-conquer algorithm.	☐	☐	☐	☐	☐	■	☐
6. Come up with an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	■
7. Come up with an algorithm once someone helped me get started.	☐	☐	☐	☐	☐	☐	■
8. Come up with an algorithm if I had a lot of time.	☐	☐	☐	☐	☐	☐	■
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.	☐	☐	☐	☐	☐	☐	■
10. Mentally trace through the execution of an iterative algorithm given to me.	☐	☐	☐	☐	☐	☐	■
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.	☐	☐	☐	☐	☐	☐	■
12. Analyze the running time of an algorithm once someone else helped me get started.	☐	☐	☐	☐	☐	☐	■
13. Analyze the running time of an algorithm if I had a lot of time to do so.	☐	☐	☐	☐	☐	☐	■
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.	☐	☐	☐	☐	☐	☐	■

For each of the following statements, please indicate how confident you feel to perform the following tasks. If a specific term or task is totally unfamiliar to you, e.g., because it has not been discussed in class, please mark 1.

	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☐	☐	☐	☐	■
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☐	■
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	■
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	■
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	■
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☐	■
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	■

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☐	■
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☐	■
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☐	■
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☐	■

Which topic in the course was most challenging? Which did you like best?

Most challenging: Divide-and-conquer
Best/Favorite: Dynamic programming

Do you have any other feedback regarding the course or the labs?

If DP could get more time, that'd be great. It seems like a really interesting topic but I wanted to explore it more.

CS2200: Algorithms (Post-Course)

(Estimated time to complete: 12 mins.)

Please fill in your survey code. If you prefer to make up your own code, feel free to do so. Please make sure, however, to remember this code over the course of this term. Do not use anything other may use to identify you (such as your name or e-mail alias). We recommend to use the code outlined below as it is easy to use and reasonably anonymous.

Survey code: | A | R | 1 | 4 | 8 | Y |

Position 1/2: Second/third letter of your mother's first name.
Position 3/4: Day-of-month of your mother's birthday.
Position 5/6: First/last letter of your place of birth.

Example: If your mother's first name is Bridget, her birthday is May 01 1969, and your place of birth is Portland, your survey code would be:

| R | I | 0 | 1 | P | D |

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	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
1. Write a pseudocode description for computing the average of three numbers.							☑
2. Write a pseudocode description for solving a small problem that is familiar to me.						☑	
3. Write a pseudocode description for solving a reasonably complex problem that is only vaguely familiar to me.						☑	
4. Organize and design an algorithm in a modular manner.						☑	
5. Comprehend a complex divide-and-conquer algorithm.							☑
6. Come up with an algorithm if I could call someone for help if I got stuck.						☑	
7. Come up with an algorithm once someone helped me get started.							☑
8. Come up with an algorithm if I had a lot of time.						☑	
9. Find ways of overcoming the problem if I got stuck while coming up with an algorithm.					☑		
10. Mentally trace through the execution of an iterative algorithm given to me.						☑	
11. Analyze the running time of an algorithm if I could call someone for help if I got stuck.							☑
12. Analyze the running time of an algorithm once someone else helped me get started.							☑
13. Analyze the running time of an algorithm if I had a lot of time to do so.						☑	
14. Find ways of overcoming the problem if I got stuck at a point while analyzing the running time of the algorithm.					☑		

Please continue on the next page....

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	not confident at all		50/50			absolutely confident	
	1	2	3	4	5	6	7
15. Come up with a counterexample for an algorithm known to be incorrect.	☐	☐	☑	☐	☐	☐	☐
16. Write a pseudocode description for sorting n numbers.	☐	☐	☐	☐	☐	☑	☐
17. Understand the divide-and-conquer paradigm.	☐	☐	☐	☐	☐	☐	☑
18. Understand the dynamic programming paradigm.	☐	☐	☐	☐	☐	☐	☑
19. Comprehend a dynamic programming algorithm.	☐	☐	☐	☐	☐	☐	☑
20. Write down a recursive definition of the optimal solution for a dynamic program.	☐	☐	☐	☐	☐	☑	☐
21. Write a pseudocode description for binary search in an ordered array of n numbers.	☐	☐	☐	☐	☐	☐	☑

Please respond to each of the following items in terms of how true it is for you with respect to your learning for the final exam. Of course, there is no right or wrong answer.

	not at all true		somewhat true			very true	
	1	2	3	4	5	6	7
22. I feel confident in my ability to learn this material required for the final exam.	☐	☐	☐	☐	☐	☐	☑
23. I feel capable of learning the material for the final exam.	☐	☐	☐	☐	☐	☑	☐
24. I am able to achieve my goals in the final exam.	☐	☐	☐	☐	☐	☑	☐
25. I feel able to meet the challenge of performing well in the final exam.	☐	☐	☐	☐	☐	☑	☐

Which topic in the course was most challenging? Which did you like best?

Graph theory hardest
DP was most interesting

Do you have any other feedback regarding the course or the labs?

Wording could be better on labs - language can be unclear, Class time was somewhat slow