CIS 4900/4905

STUDENT SURVEY

SPRING 2020

As part of an overall departmental assessment of our strengths and weaknesses, we ask that students in CIS 4900 (normally a senior level course) answer the following questions. Even though you may be taking 4900 prior to your senior year, we ask that you complete the survey anyway.

Please note that your are asked to include your name for control purposes only and that your responses will in no way affect the outcome of 4900 (the responses will not even be tabulated until after the semester).

For each of the items below, please indicate how your computing education at Brooklyn College has prepared you to meet each of the following goals? You should select one of the following:

4= very well
3= well
2= fair
1= not well
0= poorly

How has your computing education at Brooklyn College prepared you to meet each of the following goals?

1. To develop problem-solving skills.

2. To develop skill in computer programming.

3. To gain skill in at least two programming languages.

4. To learn at least two different programming paradigms.

5. To understand different-base number notations and how numbers and characters are represented in a computer.

6. To gain familiarity with the history of computing.

7. To understand the parts of a computer and how they work together to perform computation.

8. To understand the stored program concept, its strengths in performing computation

and its limits.

9. To be able to develop algorithms and transform the algorithms into programs.

10. To utilize appropriate algorithms for sorting and searching.

11. To be able to analyze the efficiency of algorithms and programs.

12. To be able to compare two algorithms and programs for relative efficiency in terms of

both time and space.

13. To understand the limits of computation.

14. To understand recurrences and recursion and recognize problems that can be solved

via recursion.

15. To be able to formulate formal logical propositions and perform simple proofs.

16. To understand the implementation and application of queues, lists, trees and graphs

and their use in developing programs.

17. To understand the organization of a computer operating system.

18. To understand the implementation of programming languages.

19. To gain breadth in several areas of computer science such as artificial intelligence,

multimedia computing, methods of simulation, computer networking, database organization, and
system simulation.

20. To apply classroom skills by doing internships and research projects with professors

and external institutions.

21. To gain the knowledge and skills to educate yourself as computer science continues

to evolve.

22. To utilize effective documentation techniques.

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RESPONSES

NAME: Eddie Lam
SEMESTER: Spring 2020

Select 4-3-2-1-0 as noted above.

1 3	**9** 3	**17** 3
2 3	**10** 4	**18** 3
3 2	**11** 3	**19** 2
4 3	**12** 3	**20** 2
5 3	**13** 2	**21** 3
6 2	**14** 3	**22** 2
7 3	**15** 2	
8 3	**16** 3	