

Learning and Engagement Strategies (LESs) Survey (FIU)

Fall 2019 Class Using LESs: Course Number: _____ Course Name _____

Data Structures Class: Semester: _____ Year: _____

This survey will **NOT** affect your course grade. This study is independent of your class.

Panther ID Number (**DO NOT use your name**): _____

Please use the following scale and complete questions 1 - 30: **1 = Strongly Disagree, 2 = Disagree, 3 = Neither agree nor Disagree, 4 = Agree, 5 = Strongly Agree, NA = Not Applicable.** **Please circle the appropriate answer.**

Overall Reaction to Class	Data Structures Class						Fall 2019 Class Using LESs					
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>
1. The learning outcomes in the class are clearly identified.	1	2	3	4	5	NA	1	2	3	4	5	NA
2. The learning experiences in the class helped me to achieve the learning outcomes.	1	2	3	4	5	NA	1	2	3	4	5	NA
3. The learning resources in this class helped me to achieve the learning outcomes.	1	2	3	4	5	NA	1	2	3	4	5	NA
4. The quality of teaching in this class helped me to achieve the learning outcomes.	1	2	3	4	5	NA	1	2	3	4	5	NA
5. I was motivated to achieve the learning outcomes in this class.	1	2	3	4	5	NA	1	2	3	4	5	NA
6. Overall, I am satisfied with the class.	1	2	3	4	5	NA	1	2	3	4	5	NA

Collaborative Learning	Data Structures Course						Fall 2019 Course Using LESs					
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>
7. I was able to develop new skills from students in the class.	1	2	3	4	5	NA	1	2	3	4	5	NA
8. I was able to develop new knowledge from students in the class.	1	2	3	4	5	NA	1	2	3	4	5	NA

9. I was able to develop problem solving skills through peer collaboration.	1	2	3	4	5	NA	1	2	3	4	5	NA
10. Collaborative learning in the class was effective in helping me to learn the course material.	1	2	3	4	5	NA	1	2	3	4	5	NA
11. Collaborative learning in the class was time consuming.	1	2	3	4	5	NA	1	2	3	4	5	NA
12. Overall, I am satisfied with my collaborative learning experience in the class.	1	2	3	4	5	NA	1	2	3	4	5	NA

Gamification	Data Structures Course						Fall 2019 Course Using LESs					
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>
13. Awarding points in class encouraged my individual participation in the class	1	2	3	4	5	NA	1	2	3	4	5	NA
14. Awarding points in class encouraged my team's participation in the class	1	2	3	4	5	NA	1	2	3	4	5	NA
15. Awarding points in class motivated me to prepare for a class meeting	1	2	3	4	5	NA	1	2	3	4	5	NA
16. Gamification in the course was effective in helping me to learn the course material.	1	2	3	4	5	NA	1	2	3	4	5	NA
17. Gamification in the course was time consuming.	1	2	3	4	5	NA	1	2	3	4	5	NA
18. Overall, I am satisfied with the gamification experience in the course	1	2	3	4	5	NA	1	2	3	4	5	NA

Problem-Based Learning (PBL)	Data Structures Course						Fall 2019 Course Using LESs					
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>
19. PBL motivated me to be more engaged in learning.	1	2	3	4	5	NA	1	2	3	4	5	NA
20. PBL encouraged me to take initiative and responsibility in learning.	1	2	3	4	5	NA	1	2	3	4	5	NA

21. PBL encouraged me to participate in group work.	1	2	3	4	5	NA	1	2	3	4	5	NA
22. Problem-based learning in the course was effective in helping me to learn the course material.	1	2	3	4	5	NA	1	2	3	4	5	NA
23. Problem-based learning in the course was time consuming.	1	2	3	4	5	NA	1	2	3	4	5	NA
24. Overall, I am satisfied with the problem-based learning experience in the course.	1	2	3	4	5	NA	1	2	3	4	5	NA

Social Interaction	Data Structures Course						Fall 2019 Course Using LESs					
	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>	<i>Strongly Disagree</i>	<i>Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Agree</i>	<i>Strongly Agree</i>	<i>Not Applicable</i>
25. I actively exchanged ideas in the class.	1	2	3	4	5	NA	1	2	3	4	5	NA
26. I felt comfortable interacting with other students in the course.	1	2	3	4	5	NA	1	2	3	4	5	NA
27. The amount of interaction with other students in the course was appropriate.	1	2	3	4	5	NA	1	2	3	4	5	NA
28. Social interaction in the class was effective in helping me to learn the course material.	1	2	3	4	5	NA	1	2	3	4	5	NA
29. Social interaction in the class was time consuming.	1	2	3	4	5	NA	1	2	3	4	5	NA
30. Overall, I am satisfied with the social interaction experience in the course.	1	2	3	4	5	NA	1	2	3	4	5	NA

Open ended questions:

31. Please compare your experience using **collaborative learning** in the Data Structures course and the Fall 2019 course using LESs.

32. Please compare your experience using **gamification** in the Data Structures course and the Fall 2019 course using LESs.

33. Please compare your experience using **problem-based learning** in the Data Structures course and the Fall 2019 course using LESs.

34. Please compare your experience using **social interaction** in the Data Structures course and the Fall 2019 course using LESs.

35. Any other comments:

Thank you for taking the survey.