

Student Evaluation Survey - Flipped Classroom with Adaptive Learning

Start of Block: Flipped Classroom Evaluation

Q1 Welcome to the Student Evaluation Survey for the Flipped Classroom with Adaptive Courseware!

We are conducting this survey to obtain your feedback on and evaluation of the flipped classroom with adaptive learning. There are no foreseeable risks associated with this study. You must be 18 years of age or older to participate.

For questions regarding this survey, please contact Dr. Renee Clark at rmclark@pitt.edu or your instructor. By selecting the button at the bottom right, you are providing your consent to participate and will be directed to take the survey.

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Q2 Are you 18 years of age or older? (You must be at least 18 to take this survey)

☐ Yes (1)

☐ No (2)

Skip To: End of Survey If Are you 18 years of age or older? (You must be at least 18 to take this survey) = No

Q3 Do you prefer a flipped classroom over usual methods of instruction?

☐ Yes (1)

☐ No (2)

☐ Not sure yet (3)

Q4 Please indicate the method that describes how you completed your out-of-class learning in this course. Check all that apply.

☐ I viewed the videos. (1)

☐ I read the book chapters. (2)

☐ I used the adaptive lessons (6)

☐ I used other resources. (Please specify these resources in the text box.) (4)

☐ ☒ I did NOT use the videos, book chapters, adaptive lessons, or any other resources for out-of-class learning. (5)

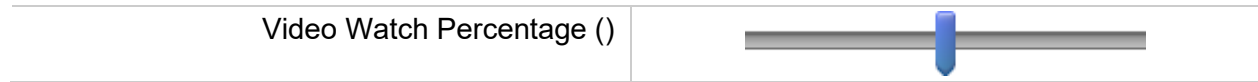
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Display This Question:

If Please indicate the method that describes how you completed your out-of-class learning for the to... = I viewed the videos.

Q5 What percentage of the videos did you watch?

0 10 20 30 40 50 60 70 80 90 100



Display This Question:

Display This Question:

If Please indicate the method that describes how you completed your out-of-class learning for the to... = I viewed the videos.

Q6 When did you primarily view the videos?

- ☐ Before the class period for which they were assigned (1)
- ☐ After the class period for which they were assigned (2)

Display This Question:

If Please indicate the method that describes how you completed your out-of-class learning for the to... = I viewed the videos.

Or Please indicate the method that describes how you completed your out-of-class learning for the to... = I viewed the videos.



Q7 How often did you re-watch the videos or any portions of them?

- ☐ Never (1)
- ☐ Rarely (2)
- ☐ Sometimes (3)
- ☐ Often (4)
- ☐ Almost always or always (5)

Display This Question:

If How often did you re-watch the videos or any portions of them? = Rarely

Or How often did you re-watch the videos or any portions of them? = Sometimes

Or How often did you re-watch the videos or any portions of them? = Often

Or How often did you re-watch the videos or any portions of them? = Almost always or always

Q8 Why did you re-watch videos or portions of them? (Select all that apply)

☐

The topic was difficult or challenging to grasp. (1)

☐

The instructor's explanation in the video was not clear. (Please provide specifics) (2) _____

☐

To reinforce my understanding as I was learning new material. (3)

☐

To review or study course material prior to an exam or homework problem. (4)

☐

Poor audio or visual quality of the video or other technical difficulty. (Please provide specifics) (5) _____

☐

Other (Please provide specifics) (6)

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Q9 With the flipped classroom, how would you rate the overall effort required of you compared to usual methods of instruction?

	Much less (1)	Less (2)	About the same (3)	More (4)	Much more (5)
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



Q10 How would you rate the overall effort required of you in this class compared to other college/university engineering classes (either flipped or non-flipped) that you've taken or are currently taking?

- ☐ Much less (1)
- ☐ Less (2)
- ☐ About the same (3)
- ☐ More (4)
- ☐ Much more (5)

Q11 I prefer using class time for hands-on activities or problem solving exercises (with the instructor or TAs present for assistance) rather than listening to a lecture.

- ☐ Strongly disagree (1)
- ☐ Disagree (2)
- ☐ Neutral (3)
- ☐ Agree (4)
- ☐ Strongly agree (5)

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Q29 The online, automatically-graded, multiple-attempt homework problems in the adaptive lessons were valuable to my learning in this course.

	Strongly Disagree (1)	Disagree (2)	Neutral (3)	Agree (4)	Strongly Agree (5)
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q13 I often did NOT know how to begin solving the in-class problems assigned in the flipped classroom.

- ☐ Strongly disagree (1)
 - ☐ Disagree (2)
 - ☐ Neutral (3)
 - ☐ Agree (4)
 - ☐ Strongly agree (5)
-



Q14 With the flipped classroom, how would you rate the responsibility placed on you, compared to usual methods of instruction?

- ☐ Much less (1)
 - ☐ Less (2)
 - ☐ About the same (3)
 - ☐ More (4)
 - ☐ Much more (5)
-

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Q15 I am NOT able to learn from a video.

- ☐ Strongly disagree (1)
 - ☐ Disagree (2)
 - ☐ Neutral (3)
 - ☐ Agree (4)
 - ☐ Strongly agree (5)
-

Q16 The flipped classroom enabled me to gain valuable experience for my future career.

- ☐ Strongly disagree (1)
 - ☐ Disagree (2)
 - ☐ Neutral (3)
 - ☐ Agree (4)
 - ☐ Strongly agree (5)
-

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Q30 Please indicate your agreement relative to each statement below.

	Strongly Disagree (1)	Disagree (2)	Neutral (3)	Agree (4)	Strongly Agree (5)	Not Applicable (6)
I had greater learning gains in the flipped classroom with adaptive lessons versus with usual methods of instruction I receive.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I had greater learning gains in the flipped classroom with adaptive lessons versus in flipped classrooms <i>without</i> adaptive lessons.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q18 More time needed to be spent during class reviewing the video or course content.

- ☐ Strongly disagree (1)
- ☐ Disagree (2)
- ☐ Neutral (3)
- ☐ Agree (4)
- ☐ Strongly agree (5)

Q19 The ability to learn from and assist my fellow students in the flipped classroom was a valuable learning outcome for me.

☐ Strongly disagree (1)

☐ Disagree (2)

☐ Neutral (3)

☐ Agree (4)

☐ Strongly agree (5)

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Q20 With the flipped classroom, I had the motivation to engage in the necessary learning outside of the classroom.

- ☐ Strongly disagree (1)
 - ☐ Disagree (2)
 - ☐ Neutral (3)
 - ☐ Agree (4)
 - ☐ Strongly agree (5)
-

Q21 I understand the reasons or rationale for the flipped classroom style in this course.

- ☐ Strongly disagree (1)
 - ☐ Disagree (2)
 - ☐ Neutral (3)
 - ☐ Agree (4)
 - ☐ Strongly agree (5)
-

Q22 The flipped classroom enabled me to develop better computer programs for numerical methods problems.

- ☐ Strongly disagree (1)
- ☐ Disagree (2)
- ☐ Neutral (3)
- ☐ Agree (4)
- ☐ Strongly agree (5)



Q35 What do you think of the lessons you had through the adaptive learning software?

	Not true (1)	Sometimes true (2)	Mostly true (3)	Always true (4)
The adaptive lessons were helpful to me. (1)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The adaptive lessons were too hard to understand or follow. (2)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The adaptive lessons didn't offer enough information to complete the tasks I had in this course. (3)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The adaptive lessons were interesting and engaging. (4)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The adaptive lessons were what I liked most about this class. (5)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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Q24 What did you like most about this flipped classroom and what benefits did you perceive?

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Q25 What drawbacks did you perceive with this flipped classroom and what suggestions do you have for improvement, including relative to the adaptive lessons?

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Q31 Discuss the adaptive lessons relative to the following: your learning or understanding of course content, satisfaction as a student, and engagement with course content.

End of Block: Flipped Classroom Evaluation
