The version of PHYS 342 offered during the Fall 2014 semester was an example of a flipped course in which lectures were videotaped and provided in advance. Class time was used mainly for discussion. This format allows great flexibility but requires discipline on your part to regularly view the lectures throughout the semester. This format was adopted in an attempt to improve understanding of the many topics covered in PHYS 342.

I would appreciate your answers to a few questions asked below. This is one way we can learn if this flipped course format should be adopted across other courses at Purdue. Your honest answers will help shape this decision.

This questionnaire will be distributed during the last scheduled class meeting on Dec. 12. Alternatively, I will also post the questionnaire as a pdf document in Week 16 on the nanoHUB website. **Answer the questions and turn the survey in AFTER the final exam on Monday, December 15.** We are primarily attempting to evaluate the course structure and any advantages or disadvantages it might offer in learning new material. If you have suggestions on how to improve learning, we want to know them.

Do not include your name on this questionnaire; your response should be honest but anonymous.

1. Approximately how many of the 85 lectures did you view?
   - All
   - About 75%
   - About 50%
   - About 25%

2. Did the **video lectures** help you understand the class material?
   - Yes, quite a lot
   - Somewhat
   - Not at all

3. Did the **lecture quizzes** help you understand the class material?
   - Yes, quite a lot
   - Somewhat
   - Not at all
4. Evaluate the level of the material covered in the lectures. Was it
________too advanced ___________about right __________too simple

5. This course requires a considerable attention to mathematics and often students
perform poorly because they lack the required math background. Do you think your
prior studies at Purdue provided you with an adequate math background required to do
well in this course?
________Yes ____________No

6. Did you ever view a lecture more than once?
_______Yes, about 1-2 lectures per week were viewed more than once
_______Yes, about 1 lecture every 2 weeks was viewed more than once
_______No, I very rarely viewed a lecture more than once

7. Did you take notes while watching the lectures?
________Yes, all the time __________Occasionally ____________Never

8. Were the weekly discussion sessions helpful?
_______Yes, quite a lot _______Somewhat _______Don’t know, I never came

9. The exams were
_____too hard _______about right _______too easy

10. Overall, would you judge that the flipped course format was effective?
_______Yes, quite a lot _______Somewhat _______Not at all
11. If you had another opportunity to take another course in the flipped mode, would you take advantage of the opportunity?

_________Yes                _________Not sure           ___________No

12. If you had to identify one aspect of the course that most helped your learning experience, it would be

____________________________________________________________________

13. If you could change one aspect of the course to make it better, it would be

____________________________________________________________________

14. Evaluate your experience with the nanoHUB web site which presented the videos and lecture quizzes. Did you find the website

_______easy to use       ______difficult, but manageable       _____a real pain

15. If you could change one aspect of the website to make it better, it would be

____________________________________________________________________

16. Did you regularly read the questions/discussions in the on-line discussion forum?

_______Yes       ______No          _____didn’t even know about the discussion forum
17. Were the study guides handed out before an exam helpful?

______Yes, very much        ______Not sure       _____Don’t know, never used them

18. If you were asked to rate the entire course on a scale of 1 to 10, 1 being the worst course you have ever taken and 10 being the best course you have ever taken, what would be your rating? ______________

19. What grade do you expect to receive in this course?

______A        ______B       _______C       ______D        ______F

20. I would appreciate any specific written comments you might wish to offer.

Thanks for your time to complete this survey!

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Nov. 19, 2014