

- 1) Where is your learning demonstrated in the course?

My learning in this course has been demonstrated in homework, tests, and our group project. Each section we learned had homework applied to it and every few sections we were tested on the topics. As for the group project, we used everything we had learned and combined it for one goal of designing a pipeline system for a manufacturing plant.

- 2) What areas did you feel you were most successful, or improved the most?

I feel as though I was most successful in the group project. Having fellow classmates as group members was a huge help especially when there was a topic I struggled with. I also think I got the most value out of the group project because there was an end goal in mind that is similar to the kind of project you could be given in an engineering career.

<https://sites.wp.odu.edu/hwolfe/project/>

- 3) How do you see this course's content intersecting with your field or career?

I think the impact of fluid mechanics on my career will depend on what career I choose to go into. However, I feel like the project will have the biggest impact. It showed us how to organize a professional document and be able to use multiple learning objectives to accomplish one goal. Oftentimes in a career you will have to collaborate with fellow colleagues and use knowledge from multiple different areas to get to the end goal.

- 4) Have you been able to apply concepts you have learned in the course to what you do at work or in other courses?

So far, I have not been able to apply a lot of what we learn to other courses or my job yet since I'm not working in engineering at this time. I have been able to use a lot of the excel concepts in my engineering economics course. I did not realize how versatile excel could be for so many different classes and topics.

- 5) How, when, where and why you might use this information or skill in the future?

As I mentioned before I feel like the use of fluid mechanics will be dependent upon my career path. However, fluids are everywhere and the concept I learned in this class can be applied to numerous job opportunities. You can apply what was learned in a manufacturing setting, jobs outside, or even jobs where you are a designer.

- 6) Do you think what you learn is important for your professional career?

Yes! Not only will what I learned be valuable but also the time management and dedication I needed for this class will be crucial to my future success.

- 7) Where do you think you will be using everything you learned?

I think I will use what I learned in nearly any engineering career I go into, because like I said fluids are everywhere.

- 8) If you were starting this class again, what advice would you give yourself to ensure that you had a successful semester

If I were to start this class again, I would tell myself that it will all be worth it in the end. Although this class is a difficult one, you learn a lot and if you give it your all you can still come out on top with a good grade. I would also tell myself to not give up when it gets hard and to stay dedicated regardless of your struggle.

- 1) After taking this class, in what ways have you improved as an engineer? What brought about those improvements?

After taking this class I feel as though my biggest improvement as an engineer is being more confident in myself. I think the confidence came from being successful in a class that is known to be hard and was very difficult for me. I also think I improved on my skills of being able to work with others which is very important for future careers. I think the group project aided in bettering my abilities to work with others.

- 2) What was your biggest accomplishment in the course? Be specific with respect to your work and the topics you learned in the course.

My biggest accomplishment in this course was getting a B on the 3rd test. I know this sounds really specific, but I spent the most time on this test and struggled the most on this test so to be able to come out on the positive side meant a lot to me. I was also very proud of my group for earning a good grade on the project because it was also time consuming and there were parts that we struggled with and really had to collaborate together to accomplish.

- 3) What skills did you master in this course? How are they reflected in the assignments (HW, tests, etc.) Be specific.

I'm not 100% sure what skill I mastered in this class. I feel as though I have a fair understanding of the majority of topics, however there are still some that I'm not super confident on. I think I was able to learn the most and master more topics by doing the test reflections. By doing this, I was able to understand my mistakes so that I had less of a chance of making them again.

<https://sites.wp.odu.edu/hwolfe/tests/>

- 4) What do you feel are your strengths and weaknesses? Explain while making specific references to your work.

Although it was one of the more interesting topics for me, I think one of my weakest points was learning drag and lift, and water hammer and cavitation. I can't really explain why this is the case, they just did not sink as well as some of the other topics did. One of my strengths of the course was working on the group project and being able to complete the tasks I was asked with little help.

- 5) How did you think about this course before you took it and how you think about it now that it is over? How many of your assumptions or understandings changed? Why?

Prior to taking this course I was very nervous about it because it is a class that many people struggle with. It was made known to us first thing that it was going to be a challenging course with a lot of work requiring dedication. My biggest fear was that I had loaded my schedule too full at 14 credits and that I would not be able to spend the time I needed to be successful in this course. However, now that it is over I feel as though I learned a lot and I was very pleased with the grades I earned. I still feel like this was a very challenging course but I'm glad to say that I finished it to the best of my ability.