

final course reflection

This class that I'm taking is called fluid mechanics and it's one of the classes I needed to graduate for my mechanical engineering technology. Fluid mechanics is a branch of physics where it concentrated on the mechanics of fluid which is liquid and gas, and the forces on it.

If I compare this class to other classes I had at ODU, I will say that this class is not easy. I believe I spend a lot of time doing the homework and the project that consists of a lot of their grades. To be honest I like the class, especially the availability teacher and the fact that we can text the teacher if we have any questions in regard to the class. I think the only problem I have in the class is the project and doing the zoom meeting in the final presentation because that final presentation consists of 25% of our grades and I think that's a lot. But despite all of that I believe I benefit a lot in the class because I learn close mechanics and I engage in this class more compared to my other classes.

I dude did not really have any issue in the class or in the project I think the only problem I had is when we have a communication problem, I didn't even know we had a communication problem until we had that one meeting with the professors. In my opinion, the biggest problem we had in the project is that the engineering students and the education student had a different plan altogether. but we were surprised by the engineer students that the project changed from using PVC pipe for the water slide to having a Marble run maze. The engineering student and the education student never had a second meeting in regard to changing the challenge. I think the engineering student try our best to work with the education students in regard to changing the main prototype or for the challenge. I think changing the project is fine as long they told us so we are prepared, and we could have helped them understand more about fluid mechanics, especially vocabulary.

The way we resolve the problem in the communication department is that we tried to identify the problem and then solve them with different methods and then present it to the education students if they agree to the changes for what I know, we did our best. We need to make the challenge harder, so we added different viscosity of the liquid in addition to the water and Andre added the robot and two different sizes of the cylinder to show different inertia. Different sizes of the toy that we used slide down the slide shows an additional level of difficulty to the challenge. I paid for the juice and the shampoo that we use in the challenge because the line item or parts in the bomb is already being ordered by the professors and so we cannot add additional line items. In the end, we resolve the problem and use the comments of the teachers to improve the challenge.

I did not learn new concepts regarding the project because what I understand is our team engineering team is the engineers while the education students for our clients. Telling the client how something works is what most systems or design engineers do. In the classroom, I learned a lot of new concepts specially Bernoulli's, and how we could use that one equation in various Fluid mechanics-related problems.

I've been working under a system engineer for three years or so now and I have never encountered a problem at work where are used Bernoulli equation or fluid mechanics problems. I think it's because most of our prototypes or production level drawings deal with cabinet cable and fab drawings.

I think if I change my profession and work for a place where fluid is used. But as of now, I'm never working using the fluid mechanics I learned in class. Since I never work you saying what I have learned in fluid mechanics I'm not really sure if a learner class is beneficial. I understand it's good to have a broad understanding of a lot of different concepts in the engineering department but like I said I never encounter a problem at work where I can use what I have learned in class. I never had an opportunity to use the concept I have learned in this course in my real life and at work. if I change so I knew, what job will we call collate a lot of fluid maybe I can look back to this class and apply the concepts and ideas that we have discussed in this course.

Do not know if I would say that I was successful on any topic related to this class, but I think using excel it's all a lot of help. I think I studied the most in this class compared to my other classes just because of the stress level all need to pass the class. other classes I took is easier and last time-consuming. this class is probably the most time-consuming.

Overall, I think the classes are pretty good. I like the teacher and I think his method is pretty good. I think the only problem I had in the class is the fact that in the projects we have to do a lot of zoom meetings and our grades is depending a lot on those zoom meetings. it's just hard that we cannot control what would happen. I think the biggest problem is technical difficulties linking, communication problems, and being able to see what is happening on the other side of the monitor. I think if 25% of our grade is not resting upon a zoom meeting, the class is fun and pretty good. I think we just have a lot of stress building because of the number of grades on one final challenge or zoom meeting and the possibility of disconnecting having communication problems and having a zero. In addition, I think I like that I got two free T-shirts. if they want a volunteer and I could get a free T-shirt and food, I think I will do a fall volunteer work just to have those perks. I think the class would have enjoyed the class more if we did not have a big portion of our grade resting on one zoom meeting where a lot of technical problems could happen and land us having zero grades.

I think the part of the class where we put all the knowledge, we learn in class is on the test. we did not really use much of what we learned in class in the challenge portion but in the test, I think we showed the basic concept of mechanics.

If I have another opportunity to take the class again, I think I will do everything the same except for agreeing on everything and I probably would like to get a leader of the team. I think if I were the leader, I could have dealt with the circumstances better.

After taking a class I do not know what I have improved upon in my understanding of engineering. I think I understand fluid mechanics more using Bernoulli's understanding of different viscous liquids. I do not know what the biggest accomplishment I got in class was regarding my word. I think what I was just trying most of the time in the class is to pass and try my best. I think I like the fact that I learned a lot in excel.

Before I took this semester's fluid mechanics, I knew the class is hard I specifically only took this class and another lab so I would not be too stressed. I mean I work full time and I know there are times when certain things happen, and we could not do all the stuff that we want to do. Since I knew this class is hard, I prepared myself. I think I just want to avoid failing and putting too much pressure on myself. It seems I did the right decisions and talk later load to focus more on the class rather than just trying to finish.