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MET 330

Final Reflection

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Throughout the course of the class Fluid Mechanics had greatly challenged me and how I am supposed to approach and think about problems when it comes to engineering. From the class the most challenging and important aspect of the class were the exams. They forced me to think critically, and truly use everything that I had been taught in that chapter and find the solution to the problems. Over all the exams and his help throughout the class greatly helped in gaining a better understanding of different fluids, how to compute values such as pressure and power, and how to apply these teachings to real world scenarios.

Going through the course most of my learning can be seen from one exam to the next. The first [Exam](file:///C:\Users\Sycoi\Downloads\Book%20Sep%2025,%202024.pdf) was the most difficult since I was completely new to the format of the exams. That combined with me having to think more critically than I am used to all led to me not doing too well the exam. Although the first exam wasn’t the best as I went through the class I improved. The second exam was not much better than the first, but when I got to the [third exam](file:///C:\Users\Sycoi\Downloads\Book%20Dec%209,%202024.pdf), major improvement was shown. While I did gain much help from the professor, I was able to build off that and improve greatly. This is also where I was the most successful or most improved within the class. The reason being that I had a better understanding of the chapters covered and how to approach the problem to find what was needed. With this understanding I can take it into my potential field because I will have to find ways to improve upon what I am working on or solve a problem that may arise within my field of work. Regarding whether I can apply this to my classes is still unknown but as I get closer to the end of my degree I more than likely will have to apply what I learned here to my other classes. What I learned in this class can be beneficial in the future because I could recall this if in situation that is similar to what I had learned or apply the thought process to the problem at hand. If I were to start again the advice, I would give myself is to get help and ask questions before and during the exam.

Throughout the course what helped me improve as an engineer is forcing me to think critically. And it came about after asking questions and working others to gain different perspectives on how to approach problems. My best accomplishment would be the third exam given in the course I showed the most improvement there and I had a good grasp on where to go with some help from the professor. A skill that I feel I mastered, that came with the third exam, was the iteration technique. In the excel [spreadsheet](file:///C:\Users\Sycoi\Documents\Exam%203%20MET%20330.xlsx) for exam three it was required for one of the problems. After figuring out where to start I was able to use it and get exactly what was needed. My strength within the course is the use of excel. I feel I can utilize the program efficiently and effectively. My weaknesses would be using proper equations. In [exam](file:///C:\Users\Sycoi\Downloads\Book%20Sep%2025,%202024.pdf) one and [two](file:///C:\Users\Sycoi\Downloads\Book%20Oct%2030,%202024.pdf) the equations and how I utilized them ultimately led to me doing poorly on both. In the beginning of the course, I was very optimistic and thought I could do extremely well, but as I went through the semester, I was greatly humbled but it taught me to be more diligent with my work and put more effort into understanding when and how I should use equations. I do still like the class I just know I could have done better, and the professor helped me understand that.