

- 3.) I learned the importance of organized and detailed procedures when solving complex problems. My first test was done in a step-by-step calculation fashion, not including any details regarding the materials, sources, drawings, or procedure used (<https://sites.wp.odu.edu/jberr-75/test-1-reflection/>). This test was difficult to analyze when given the professor's solution and ended with a poor grade overall. The next test that I took was solved including the details mentioned above and resulted in a much higher grade. This test was also much easier to review.
- 4.) A strength in this class was performing the math involved in the calculations required. I feel comfortable with knowing how to perform higher level math when needed. My weakness would be following the proper procedures required for more complex problems that are new to me. These heat transfer problems require many steps and involve lots of variables that affect the overall outcome of the answer values. If a resistance is missed or a step in a calculation is not done, the answer can result in major error. I will use my Test 3 as an example of this, due to the flaws in the procedure (<https://sites.wp.odu.edu/jberr-75/test-3-reflection/>). Although I had answers that were close to the professor's solution, they were not exact due to my failure to follow the required steps in the problem procedure.
- 5.) I had the expectation that this course was going to be intense and contain many concepts that are difficult to grasp. After taking this course, I believe my assumptions to be correct. I spent a lot of time on this course and still did not perform as well as desired and achieved the grades I had hoped for. Heat transfer is a very complex subject and although I do not feel I fully grasp all the concepts delivered through this material, I still feel like I have left with a core understanding of the subject of heat transfer. I feel like the project success demonstrates the ability to apply these complex procedures to real life designs which I can feel proud of.