I believe that my work wholeheartedly demonstrates and meets the objectives for this course. Through the vast number of homework assignments, tests, as well as in and out of class learning, I have put forth the effort to become more knowledgeable about fluid mechanics while using the course objectives as a blueprint. Taking this course online was a bit of a struggle for me, and I think that can be shown in some of my homework assignments leading up to the tests. If you take for example homework 11 and homework 5 you can see the two biggest problems I had with an online course, not understanding the material in its entirety as well as the expectations for different assignments, and not being able to find the time to complete assignments in their entirety. Nevertheless, I will take these lessons and use them when taking online courses in the future with Dr. Ayala or otherwise to make sure I can succeed in them. As far as the specific course objectives go, I have demonstrated most of them throughout the course as they are cumulative and these concepts build upon each other as you move through the course. For others, my work in the specific units demonstrates my efforts toward each goal listed.

I think most of my learning in this course is demonstrated in the homeworks. While the tests are good for tying all concepts together and for giving students a real life scenario to work with, I believe that I learned best through the homework assignments and that is where I was able to 'hone my craft' the most. As can be seen in my reflections for test 2 and test 3 I think pretty consistently I was successful/improved the most on the initial set up of these problems and deciphering what each was asking for throughout the course, whereas I used to struggle with that a lot, on the first test and in previous courses. I can see the general concepts of this course and the foundations we have learned throughout giving me a leg up when it comes to entering the industry and being confronted with similar problems. I have been able to slightly apply the course material to my work through understanding the science of why different refrigerants behave as they do in different parts of the system and generally how we can expect air to behave as it moves through the entire system as a result of the concepts we have learned. I think I will definitely use this information in future courses. I do believe these things are important for my professional career; as I mentioned before I think this class will be a good foundation of knowledge for if I enter the industry after school. I would advise myself to take my time with this course and to not underestimate how much effort it will take to be successful. I would also encourage myself to use the resources available to me a bit more such as Dr Ayala or the textbook.

I think after this class I have improved by learning how to think more critically and analytically about the problems I am faced with and the solutions I can come up with to compensate for them. I think several of Dr Ayalas' teachings as well as consistent work through the course material has helped me with this. I think my biggest success was during the unit 2 test and the module of fluid dynamics in general. It was my highest grade of all the units and was also the easiest to grasp concepts and show what I had learned. I think one skill I have mastered is time management for the most part, it can be seen in some of my later homework assignments

how I took a little bit more time with them to make sure I was successful. I think I have also gotten better at drawing my own conclusions and being able to think through more problems as opposed to just reaching for the next closest reference that was provided. I feel that my strengths lie in my ability to put forth the effort to get something done, such as staying up late or sitting down for 8-10 straight hours to knock a test out in one sitting. I feel my weaknesses though are my inability to ask for help when I need it. I feel as though on several of the tests and homework assignments I could have saved myself a lot of time, effort and stress if I had just asked Dr Ayala a simple question as opposed to just trying to power through the problem and get the assignment done. Before I took this course I thought it to be very similar to thermodynamics and thermal applications and that I would simply be applying my knowledge to different situations. After taking it however I realize that a couple parallels can be drawn but fluid dynamics is largely a completely different animal than the aforementioned courses. Several of my assumptions and understandings have changes throughout the course as a result of the homeworks and tests we worked on but I think that is probably for the better.