

A desk setup with a laptop, a cup of coffee, a notebook, and glasses. The background is a light teal color. The laptop is on the left, the coffee cup is at the top center, the notebook is at the bottom left, and the glasses are at the bottom center.

Hi, my name is Annie. I am senior III Mechanical Engineering student with an Electrical Engineering minor. I took Fluid Mechanics with Dr. Berry in Spring 2023 and just finished Heat Transfer over the summer with another professor.

My advice to future students is to learn The Path sooner rather than later. I struggled in fluids, but I struggled even more in heat transfer because I did not have The Path. I learned what The Path was during 6<sup>th</sup> week of my heat transfer course, which was too late.

So now I leave you with this...

The Path is not a formula, it is not a solution manual, it has nothing to do with the mathematics or geometry - but has everything to do with your knowledge of engineering, the laws of physics, and the definitions. The Path is the engineering thinking process!

1. Fundamentals: Knowledge, Physics, and Definitions (Determine the correct route to take) \*\*Note: path and route are not equivalent here\*\*
2. Breakdown: Breakdown the problem to the core principles based on the Fundamentals
3. Build and Solve: Build up the problem from the Fundamentals to find what you need!
4. You are done: Now double check the logic and your units

Good Luck!

P.S. Pay Attention to the \$\$\$ Slides!! & Do not memorize and replicate problems. It won't work.

