Dale E. Ewbank

Teaching Philosophy

My teaching philosophy is to engage students to be curious about what is happening. Science and engineering involve discovery and documentation of the relationships between materials, processes, and products; then using the relationships to create the products that are wanted. I encourage the students to **always ask more questions:**

- What change occurs?
- How does the change occur?
- Why does the change occur?
- When does the change occur?
- Can this change be repeated?

Then to research and find the answers which enhance their knowledge and satisfy their curiosities.

I strive to motivate the students to develop the skills needed for lifelong success. Part of the motivation process is giving them access and practice with the many problem solving tools available. I encourage them to explore multiple resources for information and to use multiple tools and methods for problem solving. I also illustrate to them that more than one method and solution may be effective for improving a process or solving the problem.

I have web pages for all of my courses and laboratories to give the students ideas for additional resources. Also each of the course pages contains a link to the [Standard for a Complete Answer](#) required for assignments.