

Engineering Design and Development

Course Competencies

1. Write concise problem statements using technical writing skills
2. Document research that justifies the problem statement for a project
3. Apply engineering notebook standards and protocols when documenting work
4. Drawings and sketches are used to organize, record, and communicate ideas
5. Technical drawings are used to evaluate design solutions for any necessary refinements
6. Demonstrate a working knowledge of products cost analysis
7. Construct a functional prototype
8. Create specific criteria for success or failure of a test
9. Utilize teamwork to complete a project
10. Practice effective oral communication techniques

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