

GEORGIA INSTITUTE OF TECHNOLOGY
ME 2110 Creative Decisions and Design

Fall 2018

Homework #3 – Safety

Assigned: 12 September 2018 Due: 19 September 2018 (At the Start of Lecture)

Several guidelines for designing safe products have been discussed in lecture and in the textbook. Furthermore, safety was a primary concern in the introductory design project. Your task in this homework is to perform a safety analysis of an existing product. Then, redesign the product based on your safety analysis.

- 1) Select any product that you desire to analyze.
- 2) Perform a safety analysis
- 3) Develop and design at least 1 significant improvement

Deliverable: A short report (2 pages, plus 1-3 drawings) with the following components:

- a) Describe the product and your safety analysis in 1 page of text.
- b) Describe your design improvement(s) in 1 page of text, plus 1-3 computer generated drawings. Be sure to discuss the design guidelines that are important for your product.

All homework assignments are considered individual assignments and must be labeled with your name, section instructor, section TA, and section time. All assignments are due at the beginning of class. Late work is NOT accepted.