

GE-106 CRN: 91863/4/5 First Semester 1444H (Fall-2022) – 2(2,1,2) "Introduction to Engineering Design"

Sunday, October 09, 2022 (13/03/1444H)

Homework 2

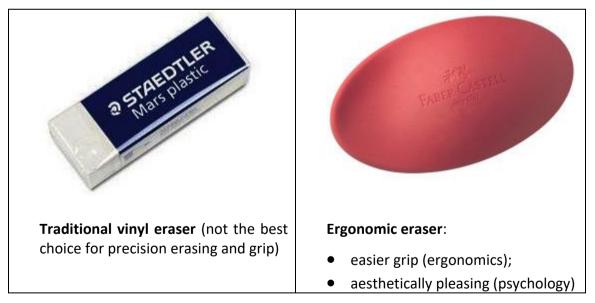
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Solve the problems described below

1. Human Factors.

- Compare **three** industrial products to their ergonomic versions.
- You are also requested to highlight the main feature(s) that distinguish the ergonomic product. An example is shown below [2 points each].



Note, you can earn **extra credit** by suggesting (using sketches) additional ergonomic design features to each example.



2. Creativity in Design.

- Demonstrate two products that demonstrate creativity in design.
- You should describe **what makes the design creative**, i.e. the engineering creative method (e.g. synthesis) and/or the creativity stimulation technique (e.g. analogy) that makes this design creative [2 points each].

Rules:

- You should work with your **project group** for this assignment.
- Place each answer on a separate sheet.
- Your work must be **typed** and written in **proper English**.
- Make sure to use properly **captioned figures/tables** (where applicable) and to properly cite all utilized **references**.
- Due date: Tuesday, October 18th, 2022 (22/03/1444)