

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**


Name:	Student Number:
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#	Names:	Student Numbers:
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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].

 <p><b>Traditional vinyl eraser</b> (not the best choice for precision erasing and grip)</p>	 <p><b>Ergonomic eraser:</b></p> <ul style="list-style-type: none"> <li>• easier grip (ergonomics);</li> <li>• aesthetically pleasing (psychology)</li> </ul>
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- 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 18<sup>th</sup>, 2022** (22/03/1444)