Statement of Work (Instructions)
Project 1: Extended Definition

Project Description

Students will create a short document (about 2 pages) providing an extended definition of a technical concept related to their field of study. The definition will be written at the appropriate level of complexity for a specified audience and purpose.

Resources

1. *Engineering Communication*: Chapter 1&2 (Principles 1-5)
2. Extended Definition Web page: https://www.prismnet.com/~hcexres/textbook/def.html

Due Dates

- PEER REVIEW (complete, printed draft required for full credit): Week 3 class meeting
- FINAL DOCUMENT: Due online, Saturday (11:59 pm) of Week 3.

Rhetorical Context

1. Non-technical Definition

Audience 1: High school juniors and seniors or undecided university students who have not considered a career in engineering. This audience likely does not know much about engineering, the skills engineering requires, or what engineers really do (and they may have false assumptions). These students are smart, but may not be conversant in the math, science, or terminology of engineers.

Purpose: To introduce high school students to a complex term in a way that is both informative and engaging.

> **Think:**
> What does this audience want or need? Why is it inappropriate to "dumb" concepts down for this audience (and how might this actually be counterproductive in serving this audience)? How can your work here show this audience why engineering matters?

2. Technical Definition

Audience 2: Fellow engineering students from all disciplines who are conversant in engineering math, science, and terminology, but who may not familiar with your particular field of study.

Purpose: To introduce general engineering students to a complex term in your specific area of engineering.

Think:

What does a fellow engineering student require from a definition of your concept> Where would a fellow engineering student require additional explanation?

Assignment Content Requirements

Each of the two definitions will include:

- A sentence definition (w/ term, class, and distinguishing characteristics)
- 3 or more areas of expansion (see Choosing the Sources of definition on the Extended Definitions web page: https://www.prismnet.com/~hcexres/textbook/def.html)
- A relatable example of an application of the concept (related to team theme)
- **ORIGINAL** visuals w/ correct labels and in-text references (Use Google Draw, MS Paint, or other drawing software to create professional-looking images)
- Correct in-text citations, an IEEE References page, and a link to your definition source.