

Assignment 5
CE 4200 Professional Practice Issues
SPRING 2023 Semester
100 POINTS

Date Assigned: 29 Mar 2023
Date Due: 24 Apr 2023
Topic: Engineering Judgment
Type: Individual

Learning Exercise:

In response to the engineering judgment lecture, other critical thinking lectures in this series, and your own experiences, write a not-to-exceed 4-page research paper (and THREE pages would be fine) wherein you address the following aspects of engineering judgment:

1. What is engineering judgment?
2. Identify and discuss at least two specific examples of the application of engineering judgment in civil engineering work.
3. How does one; *e.g.*, a student, gain or develop engineering judgment while in college? Identify specific recommendations.

Your paper must have a brief introduction, a body (addressing all three aspects above) and a conclusion summarizing your understanding. The conclusion should present *your opinion* or perspective regarding the topic. Specifically, you must identify one aspect of this paper that you personally found most interesting, significant, or memorable, and describe why you feel that way.

Your assignment must reflect substantive interaction with available literature on the topic. Selected articles about engineering judgment are posted on the course website (in PDF format), and your research must cite any of these references you use.

A minimum of three posted references are necessary and sufficient for the paper, however, students may do additional research on the topic and cite other references if they so desire. In particular, when referencing material, you must avoid “plagiarism.” Cite your references in the body of the paper using the “author-date” method.

This assignment should be typed, 12-pt, double space, 1-inch margin and follow all requirements for homework submittals as posted on the course website. The four-page limit does not include your list of works cited (references).

Penalty for exceeding four-page max limit – 25/100 point deduction.

If you use an AI-completion tool (such as Chat GPT 3.0 or similar), be sure to cite the tool’s URL, and include the prompts you employed as a screen capture of the AI/ML transactions.