

EGR 201 COURSE REFLECTION

Due Date: Tuesday, 12/10, by 11:59pm

Individual Assignment

Points: 10

Your Task:

Reflect on the engineering design process activities that you undertook in EGR 201. These include:

- Product Archaeology Mini-Project – sketched hypothesis & customer requirements, product teardown, function decomposition, engineering drawings, quality function deployment, life cycle analysis, design for assembly, battery motor analysis, design recommendations
- Design for Energy & Sustainability Mini-Project – needs identification, problem definition, concept generation, concept selection, mock prototype development, pitch presentations, presentation feedback and team response
- Door Alarm Mini-Project – arduino programming, sensors, breadboarding, circuit diagrams
- Final Project – jigsaw presentations, client interviews, need identification and benchmarking, concept generation and selection, project proposal, project purchasing, modeling, prototyping, final project demonstration (poster, prototype, report)

What Should You Submit?

Submit Word or PDF file (1 – 2 pages in length) containing responses to the following questions. There are no right or wrong answers, and you can submit responses as separate answers to each question (vs. as a cohesive report).

1. What were your most positive moments throughout the course (e.g., moments where you learned or achieved the most)?
2. What were your most negative moments throughout the course (e.g., moments where you experienced difficulty or frustration)?
3. What did you learn about the engineering design process as a result of the course?
4. What did you learn about being an engineer as a result of the course?
5. If you were to take the course again, how, if at all, would you (as a student) approach it differently?

Submit your reflection electronically to the course Canvas site. Late assignments will not be accepted for course credit, but will be evaluated for learning purposes.

How Will You Be Graded?

10 points: communication & organization (CO)

- (5 pts) Each question is answered fully
- (3 pts) Responses are at appropriate level of detail (i.e., 1-2 pages of total written text)
- (2 pts) Excellent grammar, spelling, and clarity of language