

CEN 442 Presentation Project - OVERVIEW

OVERVIEW ASSIGNMENT

Design and deliver a presentation on either your Project 1 or Project 2 design process. This presentation should be tailored for a non-technical audience (college freshmen).

PROBLEM STATEMENT

Communicating technical information to other engineers and scientists is tough enough, but frequently you're going to need to be able to present to non-specialized or even entirely non-technical audiences, whether it's engineers not familiar with the type of information you're sharing, marketing or other administrative staff, clients without technical backgrounds, or even just the general public.

Your team will design an 8-12 minute presentation with supporting materials based upon one of your previous design projects (which one chosen by Dr. Cadwell, based upon your team's presentation schedule availability) and present it (hopefully) to her ECS 101 class (teams which are unable to make one of the ECS 101 class times will be assigned an alternate audience). You will clearly define your audience, communication goals, and a method by which to establish how effectively you met those goals upon delivering your presentation.

SCHEDULE OF TEAM DELIVERABLES

Please note that full instructions and grading rubrics will be provided for each Team Deliverable *separately*. This is just to help you keep track.

The Plan - due Mon. Nov. 7 by 11:59pm (25 pts)

Your team will outline a plan for your presentation which will include defining your communication goals and "must have" content, very-rough draft slides and storyline, draft guided notes page for audience.

The Materials - due Mon. Nov. 14 by 11:59pm (40 pts)

Your team will submit your final slide deck and finalized audience materials, as well as an initial self-evaluation.

The Presentation & Evaluation - various dates (35 pts)

Your team will present your presentation and collect feedback from the audience, and then evaluate effectiveness of presentation and suggest amendments. **Evaluation is due by 11:59pm two (2) days AFTER the presentation.**

CATME Team Feedback Survey - due Sat. Dec. 10 by 11:59pm (0 pts)

As mentioned in the syllabus, peer evaluation of each team's members conducted after completion of the problem will be used to scale the problem grade up by as much as 10 % of the total and down by as much as 100 % of the total (assessed via CATME). Because I need this feedback survey to determine individual grades for the team project, there is a 10-point penalty for any team member submitting the survey late. **YOU MUST COMPLETE THE CATME SURVEY FOR EACH PROJECT TO RECEIVE ANY PROJECT POINTS.**

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RESOURCES

There's a folder in the Presentation Project section of Blackboard with any documents uploaded by Dr. Cadwell, including each deliverable's full description, requirements, and grading rubric, and possibly links to online resources.

FINAL GRADE

Project part sub-scores will be input into the Bb grade center as they are earned, HOWEVER, their sum is not the final grade.

Upon adding up all of the sub-scores, each team member will have a raw score, Q , out of 100. The raw score will then be input into the following normalizing function to determine the norm grade: Norm Grade = $(-2.3302E-09*Q^6 + 7.6837E-07*Q^5 - 9.8505E-05*Q^4 + 6.2640E-03*Q^3 - .21097*Q^2 + 4.2265*Q + 20.011)$. Next, each student's grade multiplier from the results of the CATME survey (from 0-1.1) will then be multiplied to the Norm Grade, and finally any late CATME survey deduction will be applied.

For a student whose raw score is 75, who got a multiplier of 1.02, and turned in their survey late:
 $Q = 75 \rightarrow \text{Norm Grade} = 84.8 \rightarrow *CATME = 86.5 \rightarrow -10 \text{ late survey} = 76.5 \text{ Final Grade.}$