# EE 551 Linear Integrated Circuits
# Individual Design Review
# 25 Extra Credit Points

**Objective**
To present your project and your method of solving the problems outlined in the project to the rest of the class so that you may all learn from each other's work.

**What This Design Review Entails**
You will each have the opportunity to individually present your work from one project during the course of the semester, focusing on your methodology and what you have learned. The purpose is to show others how you have gone about solving the problems presented in the project and to see how others have gone about the same tasks (because there are often many ways to approach solving a problem or the design of a circuit). This would be a great time to talk about any tips and tricks you have discovered while doing this project or any new revelations you have learned about this material. Do not feel as though you need to be constrained to talking *only* about what has been written in the project statement.

You will need to do two things for your Design Review after completing the project (yes, you still have to turn in the written report with your partner). First, you will need to generate a PowerPoint presentation displaying your methodology, results, insights, etc. You may be able to use only your slides that you create for your report, but you will likely want to add a few more slides (or rearrange your existing slides) to better present your results and your *methodology*. These slides must be e-mailed to me *no later than* 30 minutes before class. Please make sure the slides are also loaded onto the computer before class starts.

Second, you will give a short presentation (5-10 minutes) on the project during class time – this is not much time, so you will really need to think about what you will say before getting up in front of the class, and you will need to be very concise. Again, this presentation should emphasize *how* you went about solving the associated problems. There will also be a time for questions at the end of your presentation, so be prepared to answer questions from me and the rest of class.

The grading rubric for these Design Reviews is as follows.

**Quality of Slides/Visuals (3 Points)**
Visuals should look nice with a minimal of bullet points, but do not feel that you need to do anything fancy. Your visuals should simply be aids to your presentation and not the presentation itself (i.e. the focus should be on you – not your slides). Just make sure your slides are neat, organized, give a complete picture of your project, and are turned in on time. Again, the slides you create for your report should be viewed as a starting point for this presentation, and you may want to include more.

**Meeting Time Constraints (2 Points)**
These individual Design Reviews are short. These design reviews must be between 5-10 minutes. You will be unceremoniously cut off at 10 minutes, so you will need to be concise to present all of your material in the allotted time.

**Technical Correctness (5 Points)**
Please make sure that your results are technically correct. (Your written report primarily covers this.)

**Thorough Description of the Project (10 Points)**
Unless otherwise specified, your Design Review presentation should cover the following.
- The objective of the project
- Your **approach** to the project (this is the **major focus** of the Design Review)
- Your results
- Conclusions to be drawn from the project
- Anything interesting you discovered or did in the project

Again, focus on your approach.  This is a *Design* Review, and accordingly, the focus should be on the design (or approach to the analysis and data regression for the earlier projects).  We will all be reviewing your design to learn from your techniques and be able to apply those to our future designs.

Please do not present any code (MATLAB or otherwise) unless it is particularly interesting (i.e. you did something out of the ordinary) or you were specifically required to talk about MATLAB in your report.

**Overall Quality of the Presentation (5 Points)**
The overall quality of the presentation covers points such as
- Clarity of organization
- Clarity of voice / understandability
- How well you answer questions
- General quality of the presentation
- Was the emphasis on "how to" do this project?
- Etc.

Please do not simply read what is on your slides (we can all do that), but talk us through your methodology and results.