ECE3 21F Final Report Content

* Your report will be short and densely packed with information.
* Note sentence limits.
* Follow the 4 sections precisely, without variance.
* There is no required format (except the 4 sections).
* Use good grammar!
* No “wanna’s” or “gonna’s” (inappropriate in written conversation).

Develop

Objective: describe your test development plan (not calibration; calibration is not a test) to accomplish the project goal.

* Describe your development plan; what you decided to do first (prior to starting o the project) followed by your planned steps. (**One** sentence per step of your plan)
* For each step, describe in your plan how you will know that it is OK to move on to the next step in your plan. (**One** sentence for each step)

Conduct Tests (On-Track Testing Only; do NOT include calibration)

Objective: To describe how you actually ran your tests.

* What *parameters* did you control? (**One** sentence)
* What variables did you measure but not control? (**One** sentence)
* Describe the test for each step in your development plan (**One** sentence per test)

Analyze (You **must** analyze your on-track test data that you collected under Conduct Tests! **Captions only**; just tables and graphs)

Objective: arrange your data in ways that are easy to interpret.

* You must provide the raw data in your on-track test logs in table form! **Handwritten test logs will score higher** than computer-generated test logs. URL for Google Docs or equivalent is OK.
* Show graphs and tables (graphs preferred) that present the data you collected under Conduct Test in ways that facilitate analysis. This means that you may need to quantify essentially qualitative data. Ex: provide a rating on the amount of weaving back and forth, perhaps a scale of 0 (no weaving) to 5 (maximum weaving).
* The graphs should show parameters (that you control) on the x-axis, and the result variables on the y-axis.
* You may put a synopsis of your log in the report, and the complete log out on Google Docs. Provide the URL in the report.

Interpret

Objective: show that you understand the implications of the data that you have arranged.

* Describe your interpretations of the graphs, tables, etc., that you created in the previous step. (**One** sentence per graph or per table)

Note

This document provides the data needed to fulfill the ABET requirements for ECE3. It also (I hope) encourages you to think in an organized, analytical way about your project and point the way to how you handle future design/development projects.