ECE 2000 Lab 3 Formal Report Grade Breakdown

Communications:
Organization (ease of locating figures/code/additional info) /5
Clarity of style (ease of reading, and etc.) /5
English (grammar, punctuation, and etc.) /3
Introduction /3
Figure titles and numbers /3
Equations explained (at least one sentence between equations) /4
Matlab explanations (see page 7, 2c of lab 1 handout) /3
Explain how Vo and V1 produce a double spiral /4
Total: /30

Component Measurements:
-10 if completely ignored, including in Matlab, -5 if not mentioned in report, but included in Matlab calculations, -2 if in report (appendix) but not referenced or easily found.
Total: /10

Circuit Design:
Transformation to s domain (include initial cond) /4
Determine I(s) from circuit /2
Determine Vo(s) and V1(s) /2
Inverse transform Vo(s) and V1(s) to time domain /2
Circuit parameters
Psi = +90 degrees /2
a = b including comments if algebraic solver used /4
1/alpha >= T /1
Matlab plots of double spiral /3
Total: /20

Measurements:
Real spirals plots (dlmread) /4
measurements of alpha /3
beta /2
Comparison:
Plot calculated and measured Vo(t) and V1(t) vs. t on same axes
Explain differences
Plot calculated and measured spirals
Explain
Compare calculated and measured alpha, beta, a, b, c, and psi,
and explain differences
Total:

Conclusions:
Validity of Models (Inductor model, etc.)
Effectiveness of analysis procedure and methods
Discretion of TA for good conclusion
Total:

Grand Total