

DESIGN PROJECT/LAB REPORT FEEDBACK AND GRADING RUBRIC
Electrical Circuits (Phys/Engn 207), Fall 2019

Name/Lab:	Excellent	Good	Needs Work	Element Missing
Introduction				
Describes the relevance/purpose of the circuit to be designed				
Design/Measurements				
Provides conceptual overview for principle of circuit operation				
Circuit design based on proper theoretical/design principles				
Circuit diagrams properly drawn; all component values labeled/listed.				
Clearly describes what is being measured in order to quantify circuit performance				
Sufficient number and range of data points acquired to properly evaluate circuit performance.				
Results				
Figures and tables clearly display/accurately summarize results				
All graphs and/or tables have caption with number (e.g. Figure 1), referenced in the text.				
Captions contain sufficient text guiding the reader to the important take-home message				
All axes on graphs clearly labeled with units				
Figures annotated to highlight important/interesting results, where appropriate				
Uncertainties and/or % difference in properly computed and quoted				
Quantitatively compared between measured and theoretical value (i.e. what's on paper vs. what's on the breadboard)				
Main text clearly and succinctly states the main observations/results				
Conclusions/Discussion				
Critically analyzed/commented on actual system vs. what was drawn on paper.				
Any notable departures between theory and experiment are explained using rational and quantitative arguments				
Substantive suggestion are provided for alternative and/or improved circuit design				
Appendix				
Detailed derivations provided, as necessary				
All relevant numerical work/fully worked examples are provided of in sufficient detail.				

GRADE: