

# Lab Report Rubric 2/17/2011

## Introduction

Total value of 5 points

|  |   |
|--|---|
|  | Author states the objective of the experiment                 |
|  | Author explains theory necessary for understanding experiment |

## Data/Results

Total value of 5 points

|  |  |
|--|--|
|  | Author presents relevant data (and not raw data)   |
|  | Author mentions important points pertaining to data  |
|  | Data are clear and organized with section headings, labeled diagrams, and correctly-formatted tables (units and values are presented clearly and correctly). |
|  | Author defines variables and parameters where necessary  |
|  | Data mentioned are discussed in discussion section   |

Total value of 30 points

|  |  |
|--|--|
| Present all data required for the completion of the laboratory exercise. |  |
|--|--|

## Discussion/Analysis

Total value of 5 points

|  |   |
|--|---|
|  | Author explains relevance of data presented   |
|  | Data mentioned is present in the Data/Results section or referenced where necessary |
|  | Author relates discussion to objectives of the experiment                           |
|  | Author explains anomalous results   |
|  | Author accounts for possible errors in experiment                                   |

Total value of 30 points

|   |  |
|---|--|
| Please discuss and analyze data in the context of the experimental results                        |  |
| Include discussion of nominal vs. ideal values of circuit elements, and the effect of parasitics. |  |

## Conclusion

Total value of 10 points

|  |  |
|--|--|
|  | Author explains implications of results from analysis made |
|  | Author compares results to theory (literature values)      |

|  |   |
|--|---|
|  | Author discusses validity of hypothesis from results and analysis                             |
|  | Author suggest further experiments to help identify and eliminate causes of anomalous results |

### **General Organization**

Total value of 5 points

|  |  |
|--|--|
|  | Author helps reader navigate with headings and clearly presented and labeled diagrams and tables |
|  | All information relevant to a particular section is kept in that section                         |
|  | Paper is coherent  |

### **Sentence Level/Wording**

Total value of 10 points

|  |   |
|--|---|
|  | Sentences are clear and concise             |
|  | Wording is appropriate for context of paper |
|  | Grammar and spelling are correct            |
|  | Sentences connect well                      |