1. Introduction (~2%)
   a. Give a short explanation of what was done.
   b. Does not directly copy from lab page
2. Design and Testing (~40%)
   a. General requirements throughout section
      i. Concept – why did we do the lab the way we did?
      ii. Implementation – how
      iii. Testing
      iv. Detailed
   b. Hardware description
      i. Full description of circuit
      ii. Complete schematic
   c. Software description
      i. Describes all threads, ISRs, and functions
      ii. Describe software set up
      iii. Describe state machines used when applicable
3. Documentation (~10%)
   a. Commented code
      i. If you did anything out of the ordinary with your code, please explain it such
         that we can understand it (and you can understand it a year from now!)
   b. Do pictures/figures support ideas
      i. Figures are referenced in text where relevant
      ii. State machines or complicated circuits/mechanisms **MUST** be included
      iii. Drawn on computer (use tools such fizzim, Schemelt, Draw.io, LucidChart, etc.)
   c. Good captions
   d. All figures and information from external sources (including lab document) must be
      referenced

**Note:** There does not need to be an explicit documentation section. All of the information in
this section can be interspersed through the rest of the lab. Use your judgement.

4. Results (~30%)
   a. Specific
   b. Explanation of data/testing
   c. Qualitative Analysis where applicable
      i. Describe outputs
      ii. Examples: TFT flicker, audio/visual outputs
      iii. What performed "well", what performed "poorly"
      iv. What does yours do that other groups don't (i.e. what's special about yours)
   d. Quantitative Analysis where applicable
      i. What are the metrics of the lab (state metrics required by the lab handout)
      ii. Error analysis where applicable
      iii. Graphs/Tables of quantititative data
      iv. Explanation of oscilloscope readings
      v. Code speed if applicable
5. Conclusions (~18%)
   a. General reflections of lab
      i. What did you learn
   b. If it didn’t work – opportunity to make up points
      i. In this case, conclusion can be weighted more
      ii. Ideally, completely describe how checkoff could have been reached, and possible next steps
      iii. If possible, complete the lab anyway, so that specific errors are diagnosed.
   c. Issues faced
      i. No lab is perfect or goes perfectly. Talk about problems encountered while going through the lab and how the problems were debugged.
   d. Further improvements
      i. Further improvements in implementation
      ii. Further improvements to lab in general
   e. Additional questions if not addressed elsewhere in lab
      i. Accurate
      ii. Logically reasonable

Point values are variable based on requirements for lab, but these are approximate general guidelines.