

GEORGIA INSTITUTE OF TECHNOLOGY
ME 2110 Creative Decisions and Design
Spring 2019
Homework #2 - Specifications

Assigned: 16 January 2019

Due: 23 January 2019 (At Start of Lecture)

Description: Using your House of Quality from Homework #1 and your general understanding of the design problem, develop a detailed specification list for the introductory design project. You should be as detailed as possible and include target value ranges, units, and sources whenever possible. You should use the format and headings presented in the lecture. If possible, include entries under each of the categories listed in Chapter 4 of the textbook, and any other categories that you think are relevant for this particular project. Remember to include the main function of the device at the top of your specification sheet. Discuss your specifications in no more than one-half page of typed text. The discussion should include any necessary explanations of your specifications (*e.g.*, where did you get them, how would you measure your device to verify it meets the specification, what is the most challenging specification to achieve, etc.).

Requirements: The submission is limited to a maximum of one page in length, using 12-point font, 1-inch margins and single-spaced. A cover page should be provided and is not included in the page limit. Any figures/tables should be attached on subsequent pages and are also not included in the page limit. Figure captions should be provided for all figures and go below the figure. Table captions for any tables are to be placed above the table. Figures and tables must be cited in sequential order in the text and all figures/tables must be cited. Use page numbers at the bottom of each page. See the textbook for further guidelines on proper formatting and writing style for reports and technical writing. All submissions should be uploaded to Canvas before the deadline.