SENIOR DESIGN Project Plan Form

Project Team Members:

Name	Major	Signature

Project Title:

Advisor(s):

Faculty Advisor	Affiliation	Signature	Date
Co-Advisors	Affiliation	Signature	Date

Project Description:

Summarize succinctly what your project is about and what the final product (deliverable) will be. You must provide realistic design specifications.

Project Constraints:

Your project must address multiple realistic constraints. Check at least four constraints that your project design will address.

Economic	Environmental	Sustainability
Manufacturability	Ethics	Health and Safety
Social	Political	Other,

Project Engineering Standards:

Your project must incorporate appropriate engineering standards. Identify any engineering standards that apply. (IEEE, EPA, ASME, ASCE, BMES, OSHA, IIE, etc.) The National Resource for Global Standards (NSSN) is a search engine for standards (http://www.nssn.org/).

Project Deliverable(s):

Describe your plans for using engineering analysis (modeling and/or simulation) to support your design recommendation:

<u>Measures for Design Evaluation</u>: Quantify levels of achievement regarding 1) proper and safe function, 2) optimum performance, 3) adequate reliability, and 4) low cost. According to Dieter and Schmidt* these are the four balancing goals of engineering design. (These measures should link directly to the project specifications provided with the project description.). *Dieter and Schmidt, *Engineering Design*, 5th ed, McGraw-Hill, 2013