Proposed Senior Project

2015-2016 Academic Year

*DUE October 16, 2015*

*Replace the italicized comments with your information and return to* [*ron-lacey@tamu.edu*](mailto:ron-lacey@tamu.e.du) *and* [*mohtar@tamu.edu*](mailto:mohtar@tamu.edu)*.*

1. Contact Information

Contact Name:

Company Name:

Contact Address:

Contact Phone Numbers:

Contact Email:

2. Problem Description:

*This should be a brief narrative describing the problem, the rationale behind the need for a solution (e.g. competitiveness, safety, regulatory compliance, etc.), the final requirements of the solution, the environment in which the solution must operate, solutions that have been attempted, and any other general information that would be useful to the students in establishing their problem definition and scope of work.*

3. Known constraints on the problem.

*This would include factors such as total cost, size, regulatory limitations, available power sources, scheduling conflicts, etc.*

4. Desired deliverables

*Briefly, what would you like to see as a result of this exercise (e.g. design drawings, project schedule, design prototype, safety program, etc.)*

5. Estimate of time required

*The seniors will have a total of 75 scheduled class hours plus an additional 225 hours expected for outside of class work. There will be other assignments and activities, particularly during the first semester, but there should be at least 200 hours spent on this design problem per student over the two semester sequence. Keep in mind that these are students, not experienced engineers, so there will be some loss of efficiency. We’re estimating that a problem that would take approximately 400 to 600 person-hours would be about the right scope for a design team of four students.*

6. Type of problem

*Please indicate if your problem is more appropriate for engineering or management students or has aspects appropriate for both.*