

Proposal Guidelines

The best project is one that is solving a problem. Therefore, if you can state your project as the solution to a problem, it will help organize your project. Of course we are looking for problems that can be solved by MEMS, but MEMS are not always the best solution. Nevertheless, choose a problem to solve that could have a MEMS solution, since that is how we will approach it for the purposes of this class.

Here are some additional guidelines:

1. The project you choose does not need to be completed in this class, but you need to indicate what parts of the project you will complete by the end of this class. Thus, if for your project you want to build a MEMS sensor that requires significant electronic controls, you can do that for your project, but you might indicate that you will not build the control circuitry as part of the project.
2. Remember that part of the project is to manufacture a device in the micromachining lab. Thus, keep in mind the facilities available and the materials available. You basically have no budget, so we can't purchase any special packaging, materials, or other items, unless you have some other source willing to pay for those items.
3. You can use a MEMS device that has already been developed as a template, but you must improve on it. You must also clearly show how you improve on the device and that the device will be better or is unique.
4. Please use only one page, and try to use one page. I don't need a long explanation of what you are going to do, but I do need to have a clear idea of what you are going to do and why- which requires more than a few sentences.
5. This assignment does not lock you into a project. In the next week or so, if you find you have significant problems with the project, you can change it.
6. The purpose of this assignment is to make sure that you are progressing on the project and to allow us to make sure the scope of your project is appropriate.

I will be answering any questions tomorrow in class.