Those of you in Engr 195a and b – or other S and V courses -- will be addressing issues related to self, society, and equality in the United States (SJSU Studies area S) and culture, civilization, and global understanding (SJSU Studies area V). In your senior project classes, we want you to examine how these issues relate to the work you do as engineers. **This assignment is for all ME 195a students whether you are in Engr 195a or not.**

In this assignment, address how your project may affect society--locally and/or globally--if implemented and how human behavior will affect the success of your design.

The following are a list of questions to help you start thinking about this analysis. Not all questions will apply to all projects, and this list is not necessarily comprehensive.

- What global, social or cultural influences have led to a need for your project? (Everyone should be able to address this question.)
- If implemented on a wide scale, how will your project result in greater equality and social justice?
- How will your design help create an even playing field for underprivileged people?
- What human, social, and cultural barriers may result in difficulties implementing your project?
- How may society’s perception of your project result in difficulties during implementation?
- What may be the environmental impact of your project over its life cycle?
- What may be the effect on public health or society? How will your project affect quality of life?

If you are developing a component that will be used within a larger system, you are welcome to relate these questions to the design and use of the larger system, rather than the individual component that you are designing. Some of these questions cannot be addressed fully until you have a final design. In your second semester you will be asked to address these topics again so that you can do a more complete analysis, informed by your final design.

You need to write enough to do a thorough job, but the minimum requirement is 600 words (approx. two pages double-spaced).

This is an individual assignment (not one per team). The assignment will be input through Turnitin.com to check for plagiarism. For most sections you will need to turn this in via Canvas, but check with your instructor to be sure.