ENGR 125CS

First Day Questionnaire (FL07)

Name: _____

1. You probably learned the *scientific method* in high school. What are its key elements?

2. The engineering design process differs from the scientific method. What are the key elements of the engineering design process?

3. Do you have a family member who is employed in the engineering field? If so, what area of engineering (mechanical, civil, electrical, etc.)?

4. What would you say are the most significant engineering achievements between 1900 and today? Why?

5. List any movies, books, or television shows in which you can recall a character being identified as an engineer.

6. Please list the technological items you have with you today.

7. What specific criteria do you use when making a purchasing decision for a new tech product (cell phone, audio player, etc.)?

8. Do you think the job prospects for engineers in the United States are improving, staying the same, or getting worse? Why?

9. Why do you think that most countries—including the U.S.—grant *patents* for inventions?

10. Do you think engineering failures such as the World Trade Center collapse, the levy failures in New Orleans, and the recent bridge collapse in Minneapolis, are unavoidable, or could better designs be devised to prevent these incidents? Please indicate whether you agree, have a neutral opinion, or disagree with the following statements:

	Statement	Agree	Neutral	Disagree
1	Scientific invention is largely responsible for our standard of living in the United States			
2	For some reason, engineers tend to be nerds or geeks			
3	Science and technology are making our lives healthier, easier, and more comfortable			
4	Engineers are largely to blame for the environmental problems we see in the world today (pollution, rampant growth, global climate change, etc.)			
5	Engineering is a highly creative and expressive field of study			
6	I am optimistic that engineering innovation will eliminate our reliance on imported fossil fuels			
7	Controversial fields such as genetic engineering and nuclear power should be restricted or carefully regulated by our government			
8	For some reason, most engineers are male			
9	The world would be a better place if we relied less on technology			
10	New inventions will always be found to counteract any harmful consequences of technological development			
11	Because of their special knowledge and training, engineers have a power that makes them dangerous			
12	In general, we depend too much on science and not enough on faith			