You'd be amazed how much research you can get done when you have no life whatsoever. -- Ernest Cline

For this final presentation you are to demonstrate your ability to collaborate with others in order to generate (design) three different types of research (non-experimental, experimental, and quasi-experimental). This will involve four components each: (1) Each design must address the research problem either entirely or at least in some part, (2) The design should include a description of how participants will be recruited (how many, from where, etc.), (3) A discussion of what type of analysis should be performed on what data (e.g., chi square, or correlation, etc.), and finally (4) describe the results or outcomes that are expected (using statistical language, as in, *"a significant main effect of color is expected in which students taught in a red room will outperform students in the green room"*). **The guidelines below should be helpful.**

Overall Considerations:

Include a clear summary of the research issue examined across all proposals.

All designs should be closely tied (relevant) to the research question.

Terms and concepts should be appropriate and operationally defined.

Be sure to discuss how participants will be selected for each design.

Research materials needed/created should be described in adequate detail.

Your primary dependent variables should NOT rely on data that are less than interval/ratio.

Beware (try to avoid) typical design problems such as confounds, experimenter bias, etc.

Avoid duplication of effort across designs (one design could not be reasonably substituted for another). For example, it would be bad to propose an experimental design and a quasi-experimental design that are identical except in the quasi you have merely added "sex" as an additional independent variable.

Non-Experiment:

The design should allow for some preliminary conclusions to be drawn (i.e., it is not serving merely as a vehicle for getting to the other designs.

Include a brief but clear and correct description of how the data will be analyzed (chi square, correlation, ANOVA, etc.; what variables are included, etc.) as well as what outcome(s) would *support* the research question/hypothesis and what outcome(s) would *refute* the research question/hypothesis.

Quasi-Experiment:

Include a clear statement of the design (number and levels of independent variables; identify whether the design is between subjects, within subjects, or mixed).

Be sure to highlight the quasi-independent variable you chose to examine.

Include a brief description of how the data will be analyzed (chi square, correlation, ANOVA, etc.; what variables are included, etc.) as well as what outcome(s) would *support* the research question/hypothesis and what outcome(s) would *refute* the research question/hypothesis.

Experiment:

Include a clear statement of the design (number and levels of independent variables; identify whether the design is between subjects, within subjects, or mixed).

Include a brief description of how the data will be analyzed (chi square, correlation, ANOVA, etc.; what variables are included, etc.) as well as what outcome(s) would *support* the research question/hypothesis and what outcome(s) would *refute* the research question/hypothesis.