**Research Plan Template**

**Instructions**: Complete the boxes below, following the directions provided.

**a*.*** *The Research Plan is to be written prior to experimentation following the instructions below to detail the rationale, research question(s), methodology, and risk assessment of the proposed research.*

***b.*** *If changes are made during the research, such changes can be added to the original research plan as an addendum, recognizing that some changes may require returning to the IRB or SRC for appropriate review and approvals. If no additional approvals are required, this addendum serves as a project summary to explain research that was conducted.*

***c.*** *If no changes are made from the original research plan, no project summary is required. Some studies, such as an engineering design or mathematics projects, will be less detailed in the initial project plan and will change through the course of research. If such changes occur, a project summary that explains what was done is required and can be appended to the original research plan.*

**Sections A, B, C, and D are required for all projects.**

**A. RATIONALE**: Include a brief synopsis of the background that supports your research problem and explain why this research is important and if applicable, explain any societal impact of your research.

Click or tap here to enter text.

**B. RESEARCH QUESTION(S), HYPOTHESIS(ES), ENGINEERING GOAL(S), EXPECTED OUTCOMES:** How is this based on the rationale described above?

Click or tap here to enter text.

**C. 1. PROCEDURES**: Detail all procedures and experimental design including methods for data collection, and when applicable, the source of data used. Describe only your project. Do not include work done by mentor or others. *Also*: Identify any potential risks and safety precautions needed.

Click or tap here to enter text.

**C.2 Data Analysis**: Describe the procedures you will use to analyze the data/results.

Click or tap here to enter text.

**D. BIBLIOGRAPHY:** List major references (e.g. science journal articles, books, internet sites) from your literature review. If you plan to use vertebrate animals, one of these references must be an animal care reference.

Click or tap here to enter text.