
SENIOR RESEARCH (SENIOR PROJECT I)

10-51-501

Proposal Guidelines

Title Page. Proposal Title, Your Name, Department, Institution, and Date.

Advisor Approval. A statement signed by your advisor stating, "I have read the attached proposal and believe your name can accomplish the proposed work. I will work with your name and provide the necessary resources to complete this research by the course deadlines."

Abstract. A brief description of the proposal. (200 words or less.)

Table of Contents. Major section entries and page numbers. (Remember, number your pages.)

Budget. Course credit you are requesting and monetary resources needed to accomplish the proposed research. Distinguish between funds coming from multiple sources.

Budget Justification. Justify the course credit you are requesting to receive for the research you are proposing. Justify in detail, those items that you need funds to purchase. (Your research advisor is expected to provide the necessary funds to support your research.)

Biographical Sketch. Education, professional work experience, honors, publications. (Do not to exceed one page.)

Resources and Environment. A list of the facilities to be used, such as laboratory, office, computer, major existing equipment, and any additional relevant information

Specific Aims. State the broad, long-term objectives and describe concisely and realistically what specific research described in this application is intended to accomplish and any hypotheses to be tested. (One page is recommended.)

Background and Significance. Briefly sketch the background to the present proposal, critically evaluate existing knowledge, and specifically identify gaps which the project is intended to fill. State concisely the importance of the research described in this application by relating the specific aims to the broad, long-term objectives. (Three to four pages are recommended.)

Progress Report/Preliminary Studies. The applicant may use this section to provide an account of the principal investigator's preliminary studies pertinent to the application and/or any other information that will help to establish the experience and competence of the investigator to pursue the proposed research. (Optional.)

Experimental Design and Methods. Outline the experimental design and procedures to be used to accomplish the specific aims of the project. Include the means by which the data will be collected, analyzed, and interpreted. Describe any new methodology and its advantage over existing methodologies. Discuss the potential difficulties and limitations of the proposed procedures and alternative approaches to achieve aims. Point out any procedures, situations, or materials that may be hazardous to personnel and the precautions being exercised. (Approximately 10 pages are recommended.)

Timetable. A tentative sequence or timetable for the investigation. Give dates of significant aspects of the research plan.

IRB Application. Institutional review board application for use of human subjects in your research. See <http://www.rit.edu/~629www/compliance/irb/> for RIT's policy. (Only if applicable.)

Literature Cited. Use the science format.

Journal articles: Author, Article Title, *Journal Title*, **Volume**:Pages (Year).

Books: Author, *Title*, Publisher, City, Year.

Chapters: Author, Title, Pages, Book, Editor, Publisher, City, Year.

Web: Title, author, supporting agency, <http://....>