The Journey to a Success Research Proposal

What Happens Next?

Why should you want to conduct your own research?

- Increase your understanding of the subject
- Develop critical thinking and analytical skills
- Enhance your research and writing skills
- Gain a sense of achievement

Additional Tips

- Make sure your research is original and valuable.
- Ask the questions of interest to others, and ensure the research contributes new and useful knowledge.
- Be aware of the limitations of your research and the need to explore further in the future.
- Remember that your research is not "one-shot." It is a continuous process of inquiry and analysis.

Tips:

- Be open to other people’s viewpoints and ideas.
- Be aware of the limitations of your research and the need to explore further in the future.
- Remember that your research is not "one-shot." It is a continuous process of inquiry and analysis.

We are also available to help you out!
The Journey to a Success Research Proposal

Additional Tips
- Make sure to conduct your own research.
- Ask if the problem is relevant and if it will be considered significant enough to be published.
- Reflect upon what you don’t know and what you need to learn.
- Demonstrate your knowledge by answering the questions in such a way that they show your understanding of the topic.

Why should you want to conduct your own research?
- Demonstrate understanding of the research questions.
- Demonstrate understanding of the research context.
- Demonstrate understanding of the research methods.
- Demonstrate understanding of the research findings.
- Demonstrate understanding of the research implications.

Overview
- Identify the problem
- Define the research question
- Select the research methods
- Conduct the research
- Analyze the data
- Interpret the results
- Write the report

What happens next?
- Review the report
- Submit the report
- Present the findings
- Publish the results

Conclusion
- Reflect upon what you don’t know and what you need to learn.
- Demonstrate your knowledge by answering the questions in such a way that they show your understanding of the topic.
Why should you want to conduct your own research?

- Strengthens your interdisciplinary and technical skills
- Preparation for graduate school: research, medicine, pharmacy, dentistry, etc
- Preparation for technical jobs: allows you to apply concepts from class to bench work and is a good experience to talk about when interviewing
What Happens Next?

Abstract

- This section should be brief, clear, and easy to understand because it should explain to the person reading your proposal who may not have the technical knowledge to understand everything you write.
- Briefly explains what you will be doing, how you will do it, and why you are doing it
- The length should be one paragraph, maximum

Introduction

- This section is an extension of your abstract
  - Why you will be researching this topic: What problem does the research address and how this research contributes to the existing knowledge (benefit to society)
  - How you will conduct this research: How will the research achieve the questions you have outlined?
- The introduction explains the background of your research topic
- Use citations from previous publications that support your need for research into this topic
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Objectives

- By now the goals should have been clearly defined, if not, rewrite.
- The hypothesis is the burning question of your project.
  o I theorize that the _____ will/will not _____.

Materials

- List the materials you will need, where you will buy it from, and the estimated cost for each item.
- At the bottom, add the sum total for the project.

Methods

- Explains to the reader what research skills and methodology you will be using.
- Additional support: Current knowledge of lab skills you will be using.
- Anticipate any problems that you think may arise during the project.
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Expected Results

- Explain what you are hoping to find from this project and the timeline of your project

References

- Citations include: Name of Researcher, Title of Paper, Database Used, Date Published and Date Accessed
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Additional Tips

- Make sure to proofread your proposal.
- Ask the professor or graduate student who will be mentoring you to read over the proposal to make sure that they can understand what you have written.
- Remember to go over the guidelines for each program you are applying to because they have specific criteria for what they want in your proposal.

We are also available to help proofread :}
SPUR Related Information

Upcoming Deadline for Student Initiated Projects:
  • December 16th

Detailed Budget Proposal Requirement:

Create a detailed budget proposal including:
  ◦ Expected expenses for each semester of project
  ◦ Amount of SPUR funding being requested for duration of project
  ◦ Other sources of funding for the remainder of the project costs
  ◦ CNR faculty mentor name, department, contact information, and signature line for faculty mentor’s approval of proposed budget.