

Physics Project Proposal

The purpose of your project proposal is to explain to other people the important aspects of your project:

- What you plan to do in your project.
- How the project relates to the topics covered in the course.
- Specifically, how you will do the project.
- To persuade, by your preparation and by force of argument, that your project is doable.

A one-to-two-page proposal that is carefully thought out and precisely worded should be sufficient to make all the important points. A good proposal will anticipate and answer questions that an informed person might ask. There is no set formula to follow to guarantee a good proposal, but there are some common parts to all successful proposals.

INTRODUCTION/BACKGROUND:

- What is the general topic area in which you will be working?
- What is the problem or concept you are learning about?
- Why is the topic interesting or worthwhile to you?

OBJECTIVES:

- What do you aim to accomplish in your project?
- What will you measure, and under what conditions?
- What will you calculate, model, or simulate?
- What are your starting assumptions or conditions?
- How will you know you have accomplished what you set out to do (criteria for success?)

APPROACH:

- How will you accomplish your objective? What will you do?
- What are the principal steps during the project? How long will each take?
- What steps will be the most difficult, and how will you overcome the difficulties?
- What equipment or other resources will you need?
- Which of these do you already have, and which will you have to make or acquire?

REFERENCES:

- List all pertinent books or papers that you have consulted to prepare your proposal.