1. **Topic**

   Introductions
   Introduction to Material to be covered

2. **Topic**

   What is Research?
   What is Undergraduate Research?
   Your Research Proposal to your Advisor
   Describe your Research Plans to the Class.

2. **Assignment**

   - Write an Abstract on your Research Project.
   - Present your Abstract to the class for critique.
   - Submit Final Abstract to Dr. Perna.
   - Write an Abstract on an assigned paper in your field.
   - Compare your abstract with that written by the author of the paper.
   - Go to the library, pick a journal in your field and read three papers and the related abstracts.
2. **Topic**

**Write a Biographical Sketch**

- Prepare Biographical Sketch and work on Abstract, pertaining to your Research study
- Work in Groups of Two
- Prepare Revisions and Submit Abstract and Biographical Sketch to your Program Director.

3. **Written and Oral Communications**

- Discuss Written and Oral Communication from Manual.

4. **Data Procurement**

- Manual Contents
- Introduction
- Concepts for Data Correlation and Dimensional Analysis
- Laboratory Safety and Good Laboratory Practice
- The Laboratory Notebook
- Collection and Analysis of Experimental Data

5. **Critique of Abstracts**

- Presentation and Critique of Abstracts
- Revise Abstracts and submit final Abstract to Dr. Perna with your Biographical sketch