

**The Ronald E. McNair Post-baccalaureate Achievement Program  
New Jersey Institute of Technology  
Summer**

**1. Topic**

Introductions

Introduction to Material to be covered

**Topic**

What is Research?

What is Undergraduate Research?

Your Research Proposal to your Advisor

Describe your Research Plans to the Class.

**2. Topic**

**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