



# Using an Interactive Approach for Mentoring Training

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## Research Integrity

*“The integrity of knowledge that emerges from research is based on individual and collective adherence to core values of objectivity, honesty, openness, accountability, fairness, and stewardship. Integrity in science means that the organizations in which research is conducted encourage those involved to exemplify these values in every step of the research process.”*

- National Academies of Sciences, Engineering, and Medicine. 2017. *Fostering Integrity in Research*. Washington, DC: The National Academies Press.

## Case Example

### Case Example (engineering)

An international doctoral student in engineering is interested in a career in industry. The student is offered a summer internship with a large corporation on a topic related to his area of interest. The time away could jeopardize the work done with his advisor and the student fears how his advisor will react to the news of the internship. Additionally, the internship program is requiring a letter of recommendation from the advisor.

### Case Example Questions (engineering)

- Is the student’s interest in the summer internship reasonable?
- How should the student approach the faculty advisor?

## Role Play

### Roles:

Faculty Mentor  
Trusted Colleague  
PhD Student

### Scenario:

This role play involves a faculty mentor who must somehow deliver the conclusion to a good-natured student that the student is not PhD material; a trusted colleague who helps the mentor decide on a good approach; and the hapless student who has long been unwilling to see the handwriting on the wall.

## In-Person Training Modules

- Mentoring
- Peer Review
- Research Misconduct
- Human Subjects
- Animal Subjects
- Authorship
- Collaboration
- Conflict of Interest
- Data Management

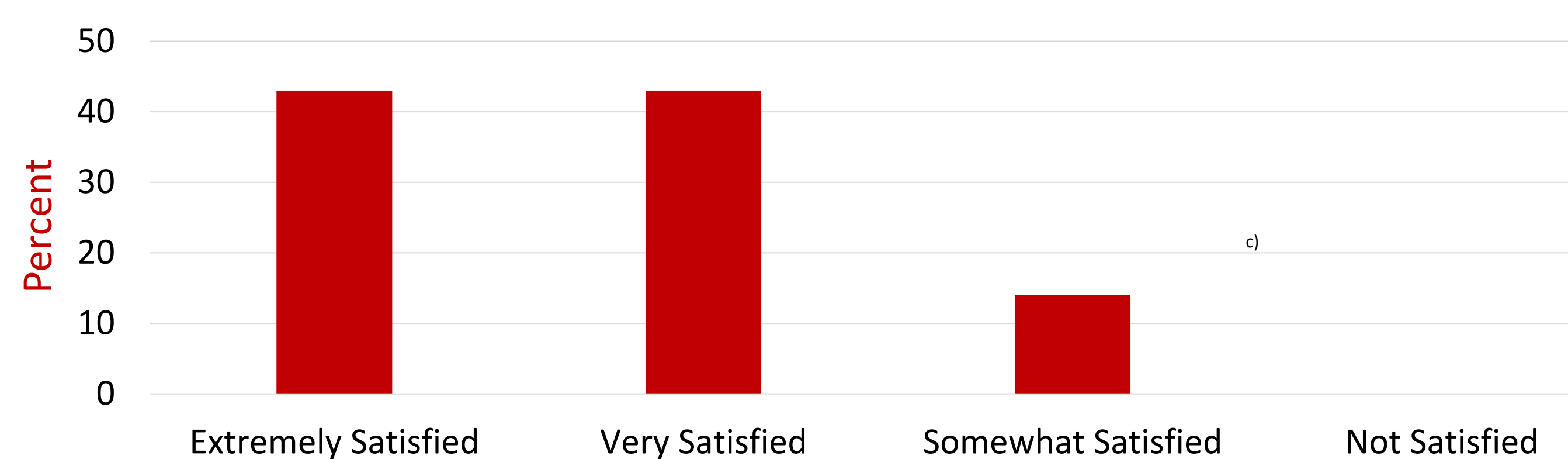
## Research Plan and Career Goals

Research Plan and Career Goals	
Supervisor's Name:	
Student/Postdoc Name:	
Department:	

**NOTE:** This document represents the research plan and career goals defined during an initial meeting.

1. Outline the student/postdoc's long-term research plan, including potential problems and alternative approaches:  
\_\_\_\_\_
2. Describe resources within and outside the department (e.g. research contacts, available equipment) that are intended to aid the student/postdoc in his/her area of expertise:  
\_\_\_\_\_
3. Describe the specific expectations for the first year in the following areas:
  - Projected research accomplishments
  - Technical training
  - Individual and/or group meetings with the mentor (e.g., frequency)
  - Suggested scientific meetings to attend
  - Career development (e.g., participation in career advancement workshops)
  - Potential publications (e.g., abstract, published paper)
 \_\_\_\_\_
4. Describe the student/postdocs general career goals:  
\_\_\_\_\_

Satisfaction with Mentoring Training



## Contact Information

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<https://www.stonybrook.edu/commcms/research-compliance/>

