

COOPERATIVE RESEARCH CENTERS
Program Evaluation Project

Graduate Student Questionnaire

Your data will be completely anonymous. By taking this survey, you are giving us consent to use your data in our analyses.

	Yes	Yes-- I used to be, but I have graduated	No
1. Are you currently, or have you ever been, a graduate student working for a Cooperative Research Center (e.g. I/UCRC or STC)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you answered "No" to Question #1 above, you do not need to fill out or submit the survey. We appreciate your time.

If you answered "Yes" to Question #1 above, please continue. If you have graduated, please fill out the survey with the most recently completed semester in mind.

2. ***PLEASE INDICATE YOUR CENTER***	Click arrow at right to select center
3. Please enter the college or university you are currently attending:	<input type="text"/>
4. Please enter your academic department:	<input type="text"/>

	Less than 6 months	Between 6 and 12 months	Between 1 and 2 Years	Between 2 and 3 Years	Between 3 and 4 Years	4 or more Years
5. How long have you been involved with the Center?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes-All of my funding	Yes-Some of my funding	No	Other
6. Are you currently funded by the Center or a Center project?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Please Specify: <input type="text"/>

I. Center Projects

We would like to learn more information about your Center projects.

	9 hours or less	10-19 hours	20-29 hours	30-39 hours	40-49 hours	50-59 hours	60-69 hours	70 or more hours
1. On average, how many hours per week do you spend on Center activities (e.g. time on Center projects, thesis research if on Center project, etc.)?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please answer the following questions (Q.2-Q.4) thinking of the **Center research project in which you most actively participate.**

	2	3	4	5	6	7	8	9	10	11 or more
2. Including yourself and the principal investigator/primary scientist, how many people are on your project team?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	6 months or less	12 months	18 months	24 months	36 months or more	No time frame specified
3. From start to finish, approximately how many months is this project expected to take?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. How much involvement do you have in the following aspects of your Center project?

	Not at all Involved	Slightly Involved	Moderately Involved	Very Involved	Extremely Involved
Overall design of the project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing the methods and procedures used in the project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collecting and/or analyzing data	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reporting and communicating design, methods, & results	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing the project	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Supervising others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

II. Degree & Thesis/Dissertation Project

We would like to learn more information about your thesis/dissertation project.

	Master's degree— I <u>do not</u> plan to pursue a PhD	Master's degree— I <u>do</u> plan to pursue a PhD	PhD	Other
1. What is the degree you are currently pursuing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Please Specify: <input type="text"/>

	Yes, it is	Yes, it will be	No, it is not or will not be based on a Center project	I Don't Know Yet
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2. Is your current or planned thesis or dissertation based on a Center project?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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	0	1	2	3	4	I don't have a committee yet
3. How many different academic departments are represented on your thesis or dissertation committee?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. How many industry or government Center members/participants, if any, are on your thesis or dissertation committee?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

III. Formal Center Training Activities

We would like to know what types of formal training activities your Center offers. **In Column A** below, please check the training activities offered by your Center. **If your Center offers that activity,** indicate your level of involvement **in Column B.**

Formal Center Training Activities	COLUMN A	COLUMN B				
	Check All that Apply	Not at all Involved	Slightly Involved	Moderately Involved	Very Involved	Extremely Involved
Periodic Center industrial advisory board (IAB) meetings	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-op or Internship placements	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regular meetings with your project team	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regular meetings with your entire Center team	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New academic courses sponsored or developed by the Center or Center faculty	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Educational interventions targeted at youth (K-12) and sponsored by the Center	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific/technical seminar series featuring outside speakers (e.g., professors, industry participants)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific/technical seminar series featuring student speakers (e.g., brown bag, student presentations)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Workshops on "soft skills" or non-technical topics (e.g., teamwork, communication, career development, leadership)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mentoring (formal mentor assignments)	<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other formal meetings/activities	Please Specify: <input type="text"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

IV. Interactions

1. Thinking of your most recently completed semester, **approximately** how many times did you discuss **Center**-related projects and activities (via phone, email, or face-to-face interactions) with...?

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Daily	Bi-Weekly	Weekly	Bi-Monthly	Monthly	A Few	Once a	Never	Not

						Times a Semester	Semester		Applicable
Your advisor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Your thesis or dissertation committee members (cumulatively)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other Center faculty (not advisor or committee)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Center students	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Center director	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Center industry or government representatives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Faculty at other universities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	Yes	No
2. Have you ever visited the site of an industry or government Center member/participant for Center related purposes (excluding any internships/co-ops)?	<input type="radio"/>	<input type="radio"/>

V. Center Experience

For the following items, please indicate the extent to which you agree or disagree that the following statements accurately reflect your Center experiences.

“My involvement in the Center includes... ”	Strongly Disagree	Disagree	Agree	Strongly Agree
Working on scientific problems that are innovative and on the cutting edge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Opportunities to be a leader	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relying on the cooperation and collaboration of other principal investigators/scientists	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rarely being knowledgeable about the work occurring on other Center projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
An education that rarely requires me to take responsibility for my learning	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
“Hands-on” learning/learning-by-doing approach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Few opportunities to use my creativity when solving research problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Receiving an education that encourages me to listen, discuss, evaluate, and to learn from the ideas of others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working alone on projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
“My involvement in the Center includes... ”	Strongly Disagree	Somewhat Disagree	Agree	Strongly Agree

Showing how a particular concept can be applied to an actual problem or situation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rarely applying advanced computer skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Few opportunities to develop my verbal and written communication skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Integrating and synthesizing information from different fields in solving problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not working regularly with state-of-the art equipment and resources	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being exposed to scientific techniques and expertise that are not usually available in my department	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working/interacting regularly with faculty from other disciplines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Experiences that are rarely applicable to "real-world" situations and problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rarely using knowledge and research from other disciplines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Infrequent interactions with students from other disciplines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Working with people from diverse backgrounds (e.g., ethnicity, gender, nationality)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

VI. Career Goals

We are interested in learning more about your personal interests and career goals.

	Industry	University	Government	Other	Didn't/Don't Know
Upon entry into graduate school, where did you expect your first job would be after graduation?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Upon completing your highest degree, where do you expect your first job will be ?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

VII. Scholarly Achievement

We would like to know the kind and quantity of publications, presentations, and intellectual property events that have resulted from your Center projects. **Please enter the number of scholarly achievements produced for each type of scholarly achievement.**

	Specify the Number	
1) Publications (<u>include those in press</u>)	Refereed Journals:	<input type="text" value="0"/>
	Refereed Proceedings:	<input type="text" value="0"/>
	Not Refereed Proceedings:	<input type="text" value="0"/>
	Invited Articles (e.g. reviews, articles, book)	<input type="text" value="0"/>
	Technical Reports:	<input type="text" value="0"/>
	Were any of these publications with Center industry participants as co-authors?	<input type="radio"/> Yes <input type="radio"/> No
2) Presentations at national or international scientific or professional meetings (include poster presentations)	Total Number:	<input type="text" value="0"/>

3) Presentations made at other scientific or professional meetings that were not national or international (include poster presentations)	Total Number:	0
4) Intellectual property events	Invention Disclosures:	0
	Patent Applications:	0
	Copyrights:	0
	Patents Granted/Derived:	0
	Licensing Agreements:	0

VIII. Skills

1. We are interested in your self-assessment of your skills in various areas.

For the following questions, please rate your proficiency in the following skills.

“Your ability to...”	Beginner	Novice	Somewhat Proficient	Proficient	Expert
Use and understand your area’s computer, technical, and/or laboratory equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Effectively solve technical problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understand problems using a systems approach	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Communicate your ideas (via writing and/or oral presentations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Take charge in a situation and lead your team	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understand the implications of research for application and commercialization	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborate well with others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Solve problems within time and money constraints	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Understand the depth and breadth of your technical area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Apply the knowledge from different disciplines in an integrated fashion to solve research problems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. Are there any skills you wish the Center had placed greater emphasis on?

IX. Organization

Pertaining to your involvement in the Center, please rate your level of agreement or disagreement according to the statements below:

	Strongly Disagree	Disagree	Neither agree nor Disagree	Agree	Strongly Agree
My Center experiences will give me a competitive edge over other students seeking similar jobs or education following graduation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The Center inspires the very best in me in doing research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am proud to tell others I am a part of my Center	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

X. Satisfaction with Center Experiences

We are interested in how satisfied you are with different aspects of your Center training and experience.

For the following items, please indicate **how satisfied you are with the following Center features:**

	Not Satisfied	Slightly Satisfied	Somewhat Satisfied	Very Satisfied	Extremely Satisfied
Center management/administrative operations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Degree of autonomy/independence on thesis/dissertation projects (such as the freedom to discuss research, control over research)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Opportunities to interact with and learn about industry and other outside non-academic researchers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frequency and quality of interactions with Center personnel (such as access to and relationships with faculty, peers, advisors, directors)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Financial support (such as your amount of funding, stipend, tuition, health benefits)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Amount and quality of supervision and support I receive from advisors, faculty, mentors, and peers (such as feedback, recognition, guidance, availability, input)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Opportunities to learn and practice soft skills (such as presentations, communication, leadership)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Workload (such as the amount of time spent on Center projects, amount of time spent on Center activities, length of projects)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Quality and access to facilities and equipment (such as the sophistication, availability)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Relevance of the research to my career goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Now, thinking of your experiences as a whole. Please rate your level of satisfaction with the Center.

	Not Satisfied	Slightly Satisfied	Somewhat Satisfied	Very Satisfied	Extremely Satisfied
Overall Center experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

XI. Demographics

Please fill out the following demographic information so we are able to learn a little about your background.

1. How many years have you been a graduate student at your university?	<input type="text"/> Years
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2. What is your approximate graduate school grade point average (A = 4.0)	<input type="radio"/> 4.0
	<input type="radio"/> 3.8-3.99
	<input type="radio"/> 3.6-3.79
	<input type="radio"/> 3.4-3.59
	<input type="radio"/> 3.2-3.39
	<input type="radio"/> 3.0-3.19
	<input type="radio"/> 2.5- 2.99
<input type="radio"/> 2.49 or under	

3. Have you ever worked for a company/industry or government organization (outside of your university)? (Check all that apply)	<input type="checkbox"/> Never
	<input type="checkbox"/> Yes, I had an internship/Co-Op
	<input type="checkbox"/> Yes, I had a part-time job
	<input type="checkbox"/> Yes, I had a full time job
	<input type="checkbox"/> Yes, I currently have a part-time job
	<input type="checkbox"/> Yes, I currently have a full time job

4. Please specify your gender	<input type="radio"/> Male
	<input type="radio"/> Female

5. Please specify your age	<input type="radio"/> Under 21 years old
	<input type="radio"/> 21-24
	<input type="radio"/> 25-28
	<input type="radio"/> 29-32
	<input type="radio"/> 33-36
	<input type="radio"/> 37-40
	<input type="radio"/> Over 40 years old

6. Please specify your ethnicity/race (check all that apply)	<input type="checkbox"/> African American/Black
	<input type="checkbox"/> American Indian/Alaska Native
	<input type="checkbox"/> Asian American
	<input type="checkbox"/> European American/Caucasian/White
	<input type="checkbox"/> Hispanic/Latino
	<input type="checkbox"/> Native Hawaiian or Other Pacific Islander
	<input type="checkbox"/> Other (Specify) <input type="text"/>
	<input type="checkbox"/> I do not want to specify my ethnicity/race

7. Are you a U.S. citizen?		<input type="radio"/> Yes- <u>SKIP TO SECTION XII</u> <input type="radio"/> No- <u>ANSWER Q.A and B BELOW</u>		
A. Do you plan to become a U.S. Citizen?		<input type="radio"/> Yes	<input type="radio"/> No	<input type="radio"/> Undecided
B. Where do you plan to seek employment after graduation?	<input type="radio"/> U.S.	<input type="radio"/> My Home Country	<input type="radio"/> Don't Know	<input type="radio"/> Other (Please Specify): <input type="text"/>

XII. Open Ends

We are interested in any comments you would like to share with us about your Center involvement. Your opinions and suggestions will help to see what the strengths and weaknesses are of an education in a Center environment.

What are the benefits and/or limitations of being involved with the Center?

How can your Center improve educational components for graduate students?

PLEASE CHECK HERE TO INDICATE YOU HAVE
FINISHED COMPLETING THE SURVEY:

THANK YOU FOR FILLING OUT THE QUESTIONNAIRE!

If you have a firewall or privacy block features installed on your computer, you may need to disable them in order to submit the survey.

Questions/Concerns about the questionnaire, please contact iucrc@ncsu.edu