

# Research in Action Podcast Instructor Guide

Use the following episode description, learning objectives, guiding questions and activity suggestions to more easily include “Research in Action” podcast episodes as a supplemental resource for your course.

### Podcast and Episode Information

“Research in Action” is a weekly podcast about topics and issues related to research in higher education featuring experts across a range of disciplines.

On this episode, there are two guests:

Dr. Candice Foley, who serves as the STEM Coordinator for all Suffolk County Community College NSF STEM Scholars on three campuses and the Principal Investigator for SCCC’s two consecutive National Science Foundation STEM scholarship grants, the National Institute of Health Institutional Research and Career Development Award grant, and the Long Island Community Foundation Removing Barriers and Strengthening STEM capacity at Suffolk County Community Colleges grants. Dr. Foley has also served on national grant projects involving curricular reform for chemistry education. Her experiences at the State University of New York at Stony Brook, Suffolk County Community College, and Brookhaven National Laboratory has enabled her to focus upon the adaptation and implementation of innovations in classroom learning and undergraduate research through curricular innovation and technology based software for the community college application.

Nina Leonhardt is the Associate Dean for Continuing Education at Suffolk County Community College. Nina oversees a compendium of STEM-oriented programs for pre-college and college students. Most of these programs are funded by New York State Education, Labor and Health departments. Nina has over 35 years of experience in higher education and STEM. She earned an M.S. In Electrical Sciences from Stony Brook University.

*Segment One* [00:00-10:38] - In this segment, Candice and Nina share about their philosophies for teaching research methods.

*Segment Two* [10:39-19:32] - In this segment, Nina and Candice discuss teaching research methods to community college students.

*Segment Three* [19:33-31:58] - In this segment, Candice and Nina share about the online research methods course they developed for off-site students.

*Bonus Clip #1* [00:00-02:57]: Resources for Teaching Research Methods

*Bonus Clip #2* [00:00- 04:47]: Grant Funded Community College Programs for Training in Research Methods

Show notes and a transcript for this episode can be found at:

<http://ecampus.oregonstate.edu/research/podcast/e53/>

### Learning Outcomes

By listening to this episode, students will be able to:

- Describe benefits of providing STEM education in a community college setting
- Discuss potential challenges in teaching research methods
- Cite resources for teaching research methods

### Guiding Questions for Listening

- According to Dr. Foley, why are research methods vital to a community college student’s foundation?
- According to Nina Leonhardt, why is it important that students learn to formulate “good questions” as opposed to “just research questions”?
- According to Dr. Foley, why does she believe community college is an undervalued resource in the nation’s need to have more students engaged in STEM education?
- What appear to be some of the challenges associated with teaching research methods in a community college setting?
- According to Nina Leonhardt, what does she mention is part of their role as teachers in equipping students for work in research?
- What are some ways in which students at SCCC are sharing their research outcomes?
- What does Nina Leonhardt share that students tend to discover after presenting their research for the first time?
- What does Dr. Foley explain is the benefit of student research ambassadors going on to connect with “near peers”?

- What funding resource helped lead to the development of the Introduction to Online Research Methods course at SCCC? (See also, Bonus Clip #2)

## Possible Activities

- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e53/>) and look at an additional resource that is linked in connection with this episode. Students can write a short review of that resource to share with their peers.
- Ask students to visit the show notes for this episode (<http://ecampus.oregonstate.edu/research/podcast/e53/>) and post an additional resource connected to the content of the episode in the comments section.
- Have students share questions that are raised for them based on the content of this episode. What would they ask Dr. Candice Foley and/or Nina Leonhardt if they could?

## Suggested Citation (APA, 6th edition)

Linder, K. (Producer/host). (2017, April 3). *Dr. Candice Foley and Nina Leonhardt on Teaching Research Methods* [Audio podcast]. Retrieved from <http://ecampus.oregonstate.edu/research/podcast/e53/>

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## Notes

## About the Research in Action Podcast

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“Research in Action” (RIA) is a podcast about topics and issues related to research in higher education featuring experts across a range of disciplines. Episodes are posted weekly and include guest interviews and occasional solo episodes. Guests are from a range of higher education institutions and share their expertise on qualitative, quantitative and mixed methods as well as their personal experiences as researchers, research and writing practices, organizational and productivity strategies, and much more. Some weeks, bonus content will also be posted.

“Research in Action” is hosted by [Dr. Katie Linder](#), research director for Oregon State University Ecampus.

Visit the podcast website to view [show notes and transcripts for each episode](#), explore our [episode guide](#), learn more about how to [contact us](#), or [suggest a future guest or topic](#).

You may subscribe to the [“Research in Action” RSS feed](#) or access the podcast via [iTunes](#), [Soundcloud](#) or [Stitcher](#).

“Research in Action” is also listed on [MERLOT](#).

The “Research in Action” podcast is a resource funded by Oregon State University Ecampus – ranked top ten in the nation for online education two years running by U.S. News & World Report. OSU Ecampus has more than 45 degree programs and more than 1,000 classes online.

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