

# FYRE First Year Research Experience

Dr. Jennifer Blue in Physics is seeking First Year students to become part of her research projects through the new FYRE program.

To apply e-mail Martha Weber at [weberme@muohio.edu](mailto:weberme@muohio.edu)

JENNIFER BLUE [bluejm@muohio.edu](mailto:bluejm@muohio.edu)

ASSISTANT PROFESSOR, PHYSICS



Here's your chance to find out about Physics Education Research

My research agenda runs on two main tracks, with an occasional side trip.

<http://www.users.muohio.edu/bluejm/>

1. One of the main tracks is research into undergraduate physics laboratory classes, where I have studied student learning, including the development of critical thinking, and attitudes. I do take side trips to research students' critical thinking in other areas, as evidenced by their problem solving and their writing.
2. The other main track is K-12 science education, where I have studied the professional development of teachers. I also look at the attitudes and achievement of girls in K-12 education, with side trips to discuss undergraduate women and under-represented minorities in the sciences.

## Recent Student Research Projects

- Interview students about the purpose of lab
- Survey students about their teaching preferences
- Analysis of critical thinking lab reports
- Analysis of student preconceptions in astronomy

**How do students get Involved?** Get information about faculty research projects in the FYRE Program at: [www.muohio.edu/undergradresearch](http://www.muohio.edu/undergradresearch)

## What is the FYRE Program Student Application Process?

To apply simply e-mail Martha Weber at [weberme@muohio.edu](mailto:weberme@muohio.edu)