



Graduate Teacher Program

TIGER/CIRTL Series

Summer 2009 Workshops



Teaching as Research in the STEM Disciplines

Tuesdays 2:30 PM – 4:00 PM

June 16

200 ATLAS

(2:30 PM - 3:30 PM)

Getting IRB Approval for Educational Research Involving Human Subjects

Clair Dunne, HRC Panel A Coordinator, Graduate School

If you want to publish your STEM educational research, you will need to get Institutional Review Board (IRB) approval before any subjects are recruited or data collection is started. Claire Dunne, the HRC Education coordinator, will talk about what it takes to get IRB approval and many of the common mistakes she has seen on proposals.

June 23

200 ATLAS

What You Need to Know to Conduct Educational Research

Valerie Otero, Associate Professor, Education

Chandra Turpen, Doctoral Candidate, Physics Education, Physics

While the research skills you have from your disciplinary research will help you in educational research, there are additional skills you may need to be successful with TAR. In this workshop Valerie Otero and Chandra Turpen will discuss some of the additional educational methodologies you will need to conduct educational research.

June 30

229 ATLAS

How to Create an Effective Pre & Post Test for Your TAR Project

Kathy Perkins, Associate Director, CU Science Education Initiative

Wendy Adams, Director of Research, CU Science Education Initiative

When changing a course to improve students' learning and understanding of a particular topic, how do you know if you were successful? Katherine Perkins and Wendy Adams will discuss how to construct pre and post tests to measure the effectiveness of educational interventions.

July 7

229 ATLAS

What is Discipline-Based Education Research?

Benjamin Spike, Doctoral Candidate, Physics

Discipline-Based Education Research, also called the Scholarship of Teaching and Learning (SoTL) or Teaching-As-Research (TAR), is an emerging field that seeks to understand how people learn content knowledge in particular scientific disciplines. In this workshop, Ben will discuss what TAR and SoTL are and present examples from his own area of research, physics.

July 21

229 ATLAS

Using Ed's Tools to Assess Student Understanding and Build Educational Interventions

Michael W Klymkowsky, Professor, MCD Biology

Collecting and analyzing student responses and interviews can be a time consuming process. The online Ed's Tools (<https://edstools.colorado.edu/conceptinventories/index.html>) simplifies this process. Michael Klymkowsky will discuss Ed's tools and how it can be used to create educational interventions.

For further information, please call 303-492-4902

Visit our web site at <http://www.colorado.edu/gtp>

All workshops count toward GTP Certification

All graduate students, undergraduate teaching assistants, post docs, faculty, and staff are welcome.