

SEMINAR IN PHYSICS

Friday, February 1

3:30 – 4:25

Ross 0220

☺ Refreshments Provided ☺

Physics Education Research Project Approaches

Dr. Wendy Adams

UNC Physics

Dr. Adams will suggest three possibly fun and interesting lines of Physics Education Research projects for physics majors:

- **Student views of learning physics** as measured by the CLASS survey -- What these views tell us about their major, or what the change in views tells us about an introductory physics course
- **Conceptual understanding of physics** as measured by the well-known Force Concept Inventory and/or other instruments
- **Problem solving** as measured by the CAPS (Colorado Assessment of Problem Solving), which can measure problem solving skills used in physics without requiring that the student already have a grasp of physics concepts