

Abstract Submitted  
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**Inquiring Minds Want to Know: Progress Report on SCALE-UP Physics at Penn State Erie** JONATHAN HALL, Penn State Erie - The Behrend College — SCALE-UP (Student Centered Activities for Large Enrollment University Programs) is a “studio” approach to learning developed by Bob Beichner at North Carolina State University. SCALE-UP was adapted for teaching and learning in the introductory calculus-based mechanics course at Penn State Erie, The Behrend College, starting in Spring 2007. We are presently doing quantitative and qualitative research on using inquiry-based learning with first year college students, in particular how it effects female students and students from groups that are traditionally under-represented in STEM fields. Using field notes of observations of the classes, focus groups, and the collection of quantitative data, the feedback generated by the research is also being used to improve the delivery of the course, and in the planning of adopting SCALE-UP to the second semester course on electromagnetism in the Fall 2008 semester.

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