ERME
Educational Research, Measurement, and Evaluation

Research Information
Faculty 2009

Faculty Research Interests and Current Projects

Faculty Research Interests

Dr. Henry Braun
Boisi Professor of Education and Public Policy, and Director of CSTEEP
Research Interests: Testing and education policy, large-scale assessment surveys, achievement gaps, value-added modeling, standard setting, higher education outcomes.

Dr. Walter Haney
Professor
Research Interests: Testing and public policy, educational technology, exploratory data analysis, cheating on tests, drawings as an alternative form of assessment.

Dr. Larry Ludlow
Professor, and Department Chair
Research Interests: Psychometric theory, Rasch models, research design, applied statistics, student ratings of instruction, teacher attrition models.

Dr. Ina Mullis
Professor, and Director of the International Study Center
Research Interests: Large-scale assessment methods in international, national, and state contexts; innovative approaches to measuring student skills and understandings.

Dr. Laura O'Dwyer
Assistant Professor
Research Interests: International comparative studies, organizational characteristics related to technology use, experimental design, multilevel power analysis, hierarchical linear modeling, applied statistics.

Dr. Joseph Pedulla
Associate Professor
Research Interests: Testing and its impact on public policy, program evaluation especially in the areas of the teacher education and the impact of online professional development on teachers, the application of logistic regression modeling to student financial aid in higher education and to K-12 teacher retention.

Dr. Michael Russell
Associate Professor
Research Interests: Innovative uses of computer-based technologies and applications of Universal Design to enhance educational testing and assessment, survey methods.

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Faculty Current Projects (as of April 2009)

Dr. Henry Braun
Current Projects:

- Link between State Policy and Closing of the Black/White Achievement Gap (CSTEEP)
- Working Group on Liberal Education and Beyond (CSTEEP)
- Step UP (University Partnership) Evaluation Subcommittee
- Value-added evaluation of teachers and the link to teacher certification
- Experimental analysis of student motivation on 12th grade NAEP reading
- Linking performance on the NAEP science assessment to instructional practice

Dr. Walter Haney
Current Projects:

- Education Pipeline Project (CSTEEP)
- Legacies of War

Dr. Larry Ludlow
Current Projects:

- Teachers for a New Era (TNE), with Dr. Joseph Pedulla and Teacher Education faculty
- Teacher Development and Teacher Retention: Unraveling Complex Issues, with Dr. Joseph Pedulla and Teacher Education faculty
- Course Evaluation Project
- Cross cultural comparison of Learning to Teach for Social Justice
- Computer Adaptive Testing in physical rehabilitation
- Retention of engineering students

Dr. Ina Mullis
Current Projects:

- Trends in International Mathematics and Science Study (TIMSS)
- Progress in International Reading Literacy Study (PIRLS)

Dr. Laura O'Dwyer
Current Projects:

- eLearning for Educators, with Dr. Joseph Pedulla and Dr. Michael Russell (inTASC)
- Evolution Readiness: A Modeling Approach (inTASC)
- IT and College Pathways through application of Technology to explore Urban Ecological Challenges, in collaboration with Teacher Education and Counseling Psychology faculty
- The impact of technology based interventions on student and teacher outcomes
- Large-scale assessment
- Technology-enabled formative assessment
- Experimental design

Dr. Joseph Pedulla
Current Projects:

- eLearning for Educators, with Dr. Laura O'Dwyer and Dr. Michael Russell (inTASC)
- Teachers for a New Era (TNE), with Dr. Larry Ludlow and Teacher Education faculty
- Teacher Development and Teacher Retention: Unraveling Complex Issues, with Dr. Larry Ludlow and Teacher Education faculty

Dr. Michael Russell
Current Projects:

- Diagnostic Geometry Assessment (inTASC)
- Diagnostic Algebra Assessment (inTASC)
- eLearning for Educators, with Dr. Laura O'Dwyer and Dr. Joseph Pedulla (inTASC)
- Laptop Initiatives, with Dr. Damian Bebell (inTASC)
- Universally Designed Computer-based test delivery
- Digital Work Pad