

FACULTY VITA

October 2010

NAME: HUTCHINSON, Susan R.
POSITION: Professor
Applied Statistics and Research Methods
College of Education & Behavioral Sciences
University of Northern Colorado
Greeley, CO 80639

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EDUCATION:

<u>Year(s)</u>	<u>Degree</u>	<u>Institution</u>	<u>Area of Study</u>
1994	Ph.D.	University of Georgia	Applied Measurement (Department of Educational Psychology)
1978	M.P.H.	University of Tennessee	Community Health Education
1976	B.A.	University of Florida	Psychology
1974	A.A.	Florida Technological University	Psychology
1986- 1991	66 semester hours (graduate)	University of Maryland at College Park	Measurement, Statistics, and Evaluation
1980- 1982	27 semester hours (graduate)	East Tennessee State University	Guidance and Counseling

WORK EXPERIENCE:

<u>Year(s)</u>	<u>Institution/Organization</u>	<u>Position</u>	<u>Responsibilities</u>
2010-present	University of Northern Colorado	Professor	Teach graduate courses in statistics and research methods
2008-2009	University of Northern Colorado	Director	Provided administrative oversight to the four programs in the School of Educational Research, Leadership, & Technology
2002-2010	University of Northern Colorado	Associate Professor	Taught graduate courses in statistics and research methods
2000-2002	University of Northern Colorado	Assistant Professor	Taught graduate courses in statistics and research methods, managed the Research Consulting Lab
1997-2000	Virginia Polytechnic Institute and State University	Assistant Professor	Taught graduate research courses in measurement, statistics, and research methods
1994-1997	University of Denver	Assistant Professor	Taught graduate research courses in measurement, statistics, and research methods
1993-1994	University of Denver	Instructor	Taught graduate research courses in measurement, statistics, and research methods

Professional Non-Academic:

1991-1993	University of Georgia	Graduate Assistant	Assisted with research projects and with implementation of assessment training program for State of Georgia testing coordinators
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1990-1991	University of Maryland	Research Assistant	Data manager and data analyst for National Science Foundation grant, Project IMPACT
1988-1990	University of Maryland	Statistical Tutor	Provided statistical tutoring for graduate students in the Department of Counseling and Personnel Services
1987-1990	University of Maryland	Research Assistant	Provided statistical consultation and data analysis assistance to faculty in the College of Education
1987	University of Maryland	Program Evaluator	Conducted the evaluation and wrote the report on the university's off-campus degree program for nuclear reactor operators
1986-1987	University of Maryland	Research Assistant	Provided general research assistance including library searches, editing supervisor's manuscripts, etc.
1981-1986	East Tennessee State University	Medical Program Coordinator	Responsible for coordinating and implementing continuing medical education seminars and short-courses for physicians and allied health professionals
1980-1981	East Tennessee State University	Research Assistant	Worked as research assistant for Director of Continuing Medical Education Research by conducting library searches, assisting with data collection, etc.
1980	East Tennessee State University	Project Director	Directed grant-funded project which provided health education services in conjunction with a rural primary health care clinic

1978-
1979

Clinch River Health
Services

Project Director

Directed grant-funded
project which provided both
community and clinic-based
health education services in
a rural service area

AREAS OF SPECIALIZATION: Structural Equation Modeling, Applied Measurement, and Survey Research Methods

RESEARCH AREAS/INTERESTS: Applications of and methodological issues related to structural equation modeling; applied measurement, particularly with respect to problems of test bias and cross-cultural measurement; curriculum design and training issues in research methods/statistics; and survey research methodology

PUBLICATIONS: Juried

Book Chapters:

Hutchinson, S. R. Survey Methods. (2004). In K. B. deMarrais and S. D. Lapan (Eds.), *Research methods in the social sciences: Frameworks for knowing and doing* (pp. 283 – 301). Hillsdale, NJ: Lawrence Erlbaum Associates, Publishers.

Journal Articles:

Li, J., Bassett, D. S., & Hutchinson, S. R. (2009). Secondary special educators' transition involvement. *Journal of Intellectual & Developmental Disability* 34(2), 1-37.

Hutchinson, S. R., Raymond, K., & Black, K. (2008). Factorial invariance of a campus climate measure across race, gender, and student classification. *Journal of Diversity in Higher Education*, 1, 235-250.

Webb, K., Asselin, S., Bassett, D., Wandry, D. Williams, J., & Hutchinson, S. (2008). Identifying the barriers to effective transition planning and implementation: A study of teacher candidates from five teacher preparation programs. *Career Development for Exceptional Individuals*, 31, 14-25.

Black, L. L., Stone, D. A., Hutchinson, S. R., & Suarez, E. C. (2007). The initial development and validation of the Social Privilege Measure. *Measurement and Evaluation in Counseling and Development*, 40, 16-31.

Hutchinson, S. R., & Lovell, C. D. (2004). A review of methodological characteristics of research published in key journals in higher education. *Research in Higher Education*, 4, 383 - 403.

Hertzler, A. A., & Hutchinson, S. R. (2000). Parental eating messages and dietary guideline compliance of college students. *Journal of Consumer Studies and Home Economics*, 24, 139-14

- Hutchinson, S. R., & Olmos, A. (1998). The behavior of descriptive fit indices in confirmatory factor analyses using ordered categorical data. *Structural Equation Modeling: A Multidisciplinary Journal*, 5, 344-364.
- Green, K. E., Boser, J. A., & Hutchinson, S. R. (1998). Response-rate differences and response-enhancement effects by population type. *Psychological Reports*, 83, 336-338.
- Hutchinson, S. R. (1998). The stability of post hoc model modifications in confirmatory factor analysis models. *The Journal of Experimental Education*, 66, 361-380.
- Benson, J., & Hutchinson, S. R. (1998). The state of the art of bias research in the United States. *European Review of Applied Psychology*, 47, 281-294.
- Hutchinson, S. R., & Bandalos, D. L. (1997). A guide to Monte Carlo simulation research for applied researchers. *The Journal of Vocational Education Research*, 22(4), 233-245.
- Benson, J., Bandalos, D. & Hutchinson, S. (1994). Modeling test anxiety among males and females. *Anxiety, Stress, and Coping*, 7, 131-148.
- Kamphaus, R. W., Benson, J., Hutchinson, S., & Platt, L. O. (1994). Identification of factor models for the WISC-III. *Educational and Psychological Measurement*, 54, 174-186.
- Hutchinson, S. R. (1993). Univariate and multivariate specification search indices used in covariance structure modeling. *Journal of Experimental Education*, 61, 171-181.
- Guthrie, J. T., Schafer, W. D. & Hutchinson, S. R. (1991). Relations of document literacy and prose literacy to occupational and societal characteristics of young black and white adults. *Reading Research Quarterly*, 26, 30-48.
- Guthrie, J. T. & Hutchinson, S. R. (1989). Measurement objectives for state assessments by NAEP. *International Journal of Educational Research*, 12, 751-758.

Book and Software Reviews:

- Hutchinson, S. R. (1995). [Review of the LISCOMP software package]. *Structural Equation Modeling*, 2, 383-386.
- Hutchinson, S. R., & Payne, D. P. (1993). [Review of *Classroom Applications of Educational Measurement*]. *Journal of Psychoeducational Assessment*, 11, 92-94.

Encyclopedia Entries:

- Hutchinson, S. R. Quantitative methodologies. (2008). In F. T. L. Leong, E. M. Almaier, & B. D. Johnson (Eds.). *Encyclopedia of counseling*. (Vol. 1, 363-367). Thousand Oaks, CA: Sage Publications.

PUBLICATIONS: Non-Juried

Articles:

Green, K. E., Boser, J. A., & Hutchinson, S. R. (2001, February 6). *Postal survey design variables and response rates* [On-line] 2001, February 6. Available: AERA Special Interest Group on Survey Research in Education: <http://www.etsu.edu/educator/elpa/surveyed/>

Special/Technical Reports:

Banerjee, R., Sundeen, T., & Hutchinson, S. R. (2010). *Analysis of outcomes data of preschool children receiving special education services in Colorado in 2008-2009*. Report Submitted to the Colorado Department of Education, Denver, CO.

Hutchinson, S. R., Raymond, K., & Black, K. (2007). *Undergraduate Assessment of Campus Climate*. Report Submitted to University of Northern Colorado Provost's Office, Greeley, CO.

Hutchinson, S. R., Black, K., & Raymond, K. (2007). *Faculty Assessment of Campus Climate*. Report Submitted to University of Northern Colorado Provost's Office, Greeley, CO.

Raymond, K., Hutchinson, S. R., & Black, K. (2007). *Graduate Student Assessment of Campus Climate*. Report Submitted to University of Northern Colorado Provost's Office, Greeley, CO.

Black, K., Hutchinson, S. R., & Raymond, K. (2007). *Staff Assessment of Campus Climate*. Report Submitted to University of Northern Colorado Provost's Office, Greeley, CO.

Hutchinson, S. R., Raymond, K., & Schmitz, D. (2002). *Colorado First Year Teacher Survey*. Colorado Commission on Higher Education, Denver, Colorado.

Hutchinson, S. R., & Hyer, P. (2000). *The Campus Climate for Diversity: Student Evaluations*. Office of the Provost, Virginia Polytechnic Institute & State University, Blacksburg, Virginia.

Hutchinson, S. (1987). *Final Report: Evaluation of Outreach Degree Program for Nuclear Reactor Operators*. Center for Instructional Development and Evaluation, University College at University of Maryland, College Park, Maryland.

Benson, J. (1987). *A Comparison of the University Studies Program - Advanced Studies Courses with Major Courses on the College Park Campus*. College Park, Maryland: Department of Measurement, Statistics and Evaluation (this report was jointly co-authored by 11 students).

Hutchinson, S. R. (1985). Four-Year Evaluation Report and Departmental Policy Guidelines. Submitted for reaccreditation to the American Medical Association, Office of Continuing Medical Education, Quillen-Dishner College of Medicine, East Tennessee State University, Johnson City, Tennessee.

Hutchinson, S. R. (1985). Seventh Annual Report. Office of Continuing Medical Education, Quillen-Dishner College of Medicine, East Tennessee State University, Johnson City, Tennessee.

Hutchinson, S. R. (1984). Sixth Annual Report. Office of Continuing Medical Education, Quillen-Dishner College of Medicine, East Tennessee State University, Johnson City, Tennessee.

Hutchinson, S. R. (1983). Fifth Annual Report. Office of Continuing Medical Education, Quillen-Dishner College of Medicine, East Tennessee State University, Johnson City, Tennessee.

Hutchinson, S. R. (1982). Fourth Annual Report. Office of Continuing Medical Education, Quillen-Dishner College of Medicine, East Tennessee State University, Johnson City, Tennessee.

Manuscripts in Progress:

Hutchinson, S. R., Black, L., & Romont, L. Factorial invariance of the Racial Privilege Measure across race and gender [data collected; some data analyses completed].

Black, L., Hutchinson, S. R., & Romont, L. Development and initial factorial validation of the Social Privilege Measure [first wave of data collected; initial data analyses completed].

Hutchinson, S. R., & Pearson, R. The effects of nonnormal, ordinal data on type I and II error rates in tests of invariance in confirmatory factor analyses. To be submitted to *Structural Equation Modeling* [most of the data generation and data analyses completed].

Hutchinson, S. R., & Kronauge, C. Invariance of a model of early childhood development across adult versus adolescent mothers [most data analyses completed; literature review mostly done].

PROFESSIONAL PRESENTATIONS: Juried

Teman, E., & Hutchinson, S. R. (2010, August). *Factorial invariance of statistics anxiety across gender and student classification*. Poster presented at the Joint Statistical Meetings, Vancouver, British Columbia, CA.

DeRoche, K., & Hutchinson, S. R. (2010, April). *The functioning of global fit statistics in latent growth curve modeling*. Paper presented at the annual meeting of the American Educational Research Association, Denver, Colorado.

Hutchinson, S. R., Ku, H-Y., & Saenz, B. L. (2010, April). *A content analysis of methodological characteristics of research published in three instructional technology-related journals*. Poster presented at the annual meeting of the American Educational Research Association, Denver, Colorado.

Banerjee, R., Fang, W., & Hutchinson, S. R. (2010, April). *Current practices and training needs of early childhood professionals in assessment*. Presentation at the annual meeting of the Council for Exceptional Children, Nashville, Tennessee.

- Hutchinson, S. R., Banerjee, R., & Kronauge, C. (2010, February). *Methodological issues in using large scale datasets for structural equation modeling*, Poster presented at the annual Conference on Research Innovations in Early Intervention, San Diego, California.
- Edwards, C., Ku, H-Y., Hess, R., Hutchinson, S. R., Sidorkian, A. (2010, February). *Looking backward to see forward: Case studies of unintended consequences*. Presentation at the annual meeting of the American Association of Colleges of Teacher Education, Atlanta, Georgia.
- Black, L., Hutchinson, S. R., & Romont, L. (2009, June). *Identifying and measuring social privilege: Lessons from our clients, classrooms, and the Social Privilege Measure*. Presented at the Pedagogy of Privilege: Teaching, Learning, & Praxis conference, Denver, Colorado.
- Dougherty, J. P. & Hutchinson, S. R. (2009, April). *A "hands-on" approach to understanding research principles for EBP literature reviews: Use of the "cookie study."* Podium presentation at the 5th Annual Research and Evidence-Based Practice Conference: Innovation through Education and Application, Greeley, CO.
- Kronauge, C., & Hutchinson, S. R. (2008, November). *Addressing complex sampling issues in evaluation analyses*. Presented at the annual meeting of the American Evaluation Association, Denver, CO.
- Kronauge, C., & Hutchinson, S. R. (2008, March). *Effects of sample weights in a model of early childhood development*. Paper presented at the annual meeting of the American Educational Research Association, New York, New York.
- Hutchinson, S. R. (2007, October). *Measurement equivalence: Validity implications for program evaluation*. Presentation at the annual meeting of the American Evaluation Association, Baltimore, MD.
- Hutchinson, S. R., & Perrett, J. (2007, April). *The effect of nonnormality on power and type I error in latent variable path modeling invariance testing*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- Webb, K., Asselin, S., Bassett, D., Wandry, D. Williams, J., & Hutchinson, S. (2006, April). *Teacher candidate perceptions of transition programming barriers: A study of preparation programs*. Paper presented at the Council for Exceptional Children's 2006 Convention and Expo, Salt Lake City, UT.
- Hutchinson, S. R., & Pearson, R. (2006, April). *The effects of nonnormality on type I and II error rates in tests of noninvariance in confirmatory factor analyses*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, CA.
- Webb, K., Asselin, S., Bassett, D., Wandry, D. Williams, J., & Hutchinson, S. (2005, October). *Identifying the barriers to effective transition planning and Implementation: A study of teacher candidates from five teacher preparation programs*. Paper presented at the Council

for Exceptional Children's Division on Career Development and Transition International Conference. Albuquerque, NM.

- Hutchinson, S. R., & Young, J. D. (2003, April). *Power of the likelihood ratio test under various conditions of factor loading noninvariance in confirmatory factor analysis models*. Paper presented at the annual meeting of the American Education Association, Chicago, Illinois.
- Olmos, A., & Hutchinson, S. R. (2002, November). *Measurement equivalence of a clinical measure across groups*. Poster presented at the annual meeting of the American Evaluation Association, Washington, D. C.
- Hutchinson, S. R. (2002, October). *Power of the likelihood ratio test under various conditions of factor loading noninvariance in latent variable models*. Paper presented at the annual meeting of the Northern Rocky Mountain Educational Research Association, Estes Park, Colorado.
- Hutchinson, S. R., & Lane, B. (2002, April). *Factorial invariance of a campus climate measure across student subpopulations*. Paper presented at the 2002 annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Hutchinson, S. R., & Lovell, C. D. (2000, November). *Research survival skills: The top ten most important "Do's" of student affairs research*. Presented at the annual meeting of NASPA IV West, Jackson Hole, Wyoming.
- Hutchinson, S. R. (2000, April). *The effect of unmeasured variables on parameter estimate bias: A comparison of manifest variable versus latent variable path models*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Hertzler, A. A., & Hutchinson, S. R. (1999, June). *Family versus campus food patterns*. Paper presented at the 1999 joint annual meetings of the Agriculture, Food, and Human Values Society, the Association for the Study of Food and Society, and the Food Choice Group, Montreal, Canada.
- Hutchinson, S. R., & Lovell, C. D. (1999, April). *A review of methodological characteristics of research published in The Journal of Higher Education, The Review of Higher Education, and Research in Higher Education*. Paper presented the annual meeting of the American Educational Research Association, Montreal, Canada.
- Green, K. E., & Hutchinson, S. R. (1999, April). *Rationales of a professional audience for survey completion*. Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Lovell, C. D., & Hutchinson, S. R., & Fairweather, J. (1998, November). *Graduate student research preparation in higher education: Too little, just right, or too much . . . implications for our future*. Focused dialogue presented at the annual meeting of the Association for the Study of Higher Education, Miami, FL.

- Hertzler, A. A., & Hutchinson, S. R. (1998, October). *Parental messages on eating practices and guideline perceptions of college students*. Paper presented at the annual meeting of the American Dietetic Association, Kansas City, MO.
- Dawson, T., Getz, H. Gillespie, D., Hutchinson, S., & Sugrue, J. (1998, October). *Middle years: New careers*. Panel presentation at the Women in Educational Leadership Conference, Lincoln, Nebraska.
- Hutchinson, S. R., Green, K. E., & Bennett, E. B. (1998, April). *Keeping up in research methods: Attitudes and practices of AERA members*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Hutchinson, S. R., Green, K. E., & Bennett, E. B. (1998, April). *Response rates of surveys received and returned via postal versus electronic mail and returned via facsimile*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Green, K. E., Hutchinson, S. R., & Boser, J. A. (1997, April). *Effects of population type on response rate and the efficacy of response enhancers*. Paper presented at the annual meeting of the American Educational Research Association, Chicago, Illinois.
- Lovell, C. D., McCaig, K. A., & Hutchinson, S. R. (1996, November). *Performance assessment: An opportunity for professional renewal using measurement design theory*. Presented at the annual meeting of ACPA/NASPA, Hot Springs, Arkansas.
- Hutchinson, S. R., & Olmos, A. (1996, April). *The behavior of ad hoc fit indices in confirmatory factor analyses using ordered categorical data*. Paper presented at the annual meeting of the American Educational Research Association, New York, New York.
- Hutchinson, S. R., & Green, K. E. (1996, April). *Rasch dimensionality identification in the presence of a higher order factor structure*. Paper presented at the annual meeting of the American Educational Research Association, New York, New York.
- Green, K. E., & Hutchinson, S. R. (1996, April). *Reviewing the research on mail survey response rates: Meta-Analysis*. In *Reviewing the research on mail survey response rates: Alternate approaches*. Symposium conducted at the annual meeting of the American Educational Research Association, New York, New York.
- Hutchinson, S. (1994, April). *The stability of post hoc model modifications in covariance structure models*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, Louisiana.
- Hutchinson, S., & Julian, M. (1993, April). *Application of discriminant analysis as a measurement tool*. Paper presented at the annual meeting of the American Educational Research Association, Atlanta, Georgia.

Hutchinson, S. (1991, October). *Specification searches in covariance structure modeling: A comparison of univariate and multivariate search indices*. Paper presented at the annual meeting of the Georgia Educational Research Association, Atlanta, Georgia.

Bandalos, D., Hutchinson, S. & Benson, J. (1989, June). *A structural model of test anxiety in multiple groups*. Paper presented at the annual meeting of the Society of Test Anxiety Research, Amsterdam, The Netherlands.

Guthrie, J. T., Schafer, W. D. & Hutchinson, S. (1989, April). *Effects of literacy activity and achievement on participation in society, personal empowerment, occupational status and income of young adults*. Paper presented at the annual meeting of the American Educational Research Association, San Francisco, California.

PROFESSIONAL PRESENTATIONS: Non-Juried

Invited Workshops, Symposia, and Conferences:

2010 Hutchinson, S. R. *Dissertation Seminar*. Invited three-day seminar, sponsored by the Center for the Enhancement of Teaching and Learning and the Graduate Student Professional Development Program, University of Northern Colorado, Greeley, CO.

2010 Lahman, M. E., & Hutchinson, S. R. *Ethical Issues in Research and the Profession*.
Invited presentation, sponsored by GAPP, University of Northern Colorado, Greeley, CO.

2010 Lahman, M. E., & Hutchinson, S. R., *So You Want to Get a Job after You Graduate: Strategies for Landing an Academic Position*. Invited presentation, SRM 650: Research and Statistics Colloquium, University of Northern Colorado, Greeley, CO

2009 Hutchinson, S. R. *Survey Building and Analysis*. Invited presentation at the TACE 8 Program Evaluation: Quality Assurance Summit II, Denver, CO.

2009 Hutchinson, S. R. *Strategies for Objectively Assessing Student Work*. Invited presentation at the Graduate Teaching Assistant Orientation, Sponsored by the Center for Enhancement of Teaching and Learning, University of Northern Colorado, Greeley, CO.

2009 Hutchinson, S. R. *SPSS Bootcamp and Statistics Review*. Fifteen-hour workshop provided to faculty in the College of Education and Behavioral Sciences, University of Northern Colorado, Greeley, CO.

2009 Hutchinson, S. R. *Designing Research for Social Change*. Invited presentation for Thai visiting scholars. College of Education and Behavioral Sciences, University of Northern Colorado, Greeley, CO.

- 2008 Hutchinson, S. R. *Mentoring Graduate Students*. Invited seminar, School of Nursing, University of Northern Colorado, Greeley, CO.
- 2008 Hutchinson, S. R. *SPSS Refresher*. Invited workshop at the Research in the Rockies: Summit on Low Incidence Disabilities, sponsored by the National Center on Severe and Sensory Disabilities, Greeley, CO
- 2008 Hutchinson, S. R. *UNC Assessment of Campus Climate*. Invited presentation of the UNC campus climate survey findings, Student Success Advisory Council, University of Northern Colorado, Greeley, CO.
- 2008 Hutchinson, S. R. *Designing and Using Surveys for Assessment*. Invited presentation, Student Services Assessment Institute, University of Northern Colorado, Greeley, CO.
- 2008 *Landing Your First Academic Job*. Invited panelist, cosponsored by the Graduate Student Association and the Center for Enhancement of Teaching and Learning, University of Northern Colorado, Greeley, CO.
- 2007 Hutchinson, S. R., & Black, K. *UNC Assessment of Campus Climate*. Invited presentation to the Executive Staff, University of Northern Colorado, Greeley, CO.
- 2007 Hutchinson, S.R. *Dissertation Seminar*. Invited seminar, sponsored by the Graduate School, University of Northern Colorado, Greeley, CO
- 2006 Lahman, M., & Hutchinson, S. R. *Matching Methodology to Research Questions: Issues to Consider*. Invited presentation at Research in the Rockies: Research Summit on Low-Incidence Disabilities, Vail, CO.
- 2006 Hutchinson, S. R., & Perrett, J. *The Effects of Nonnormality on Power and Type 1 Error in Multiple Group Latent Variable Path Modeling*. Invited presentation, SRM 650: Statistics and Research Colloquium, University of Northern Colorado, Greeley, CO.
- 2005 Hutchinson, S. R. *Faculty Issues to Consider in Directing Dissertations*. Invited presentation to the School of Nursing, University of Northern Colorado, Greeley, CO.
- 2005 Hutchinson, S., & Lahman, M. E. *Trends and issues: The current context for educational research*, Invited presentation at the College of Education and Behavioral Sciences Faculty Retreat, University of Northern Colorado.
- 2005 Hutchinson, S. R. *Finding Jobs in Academia*. Invited presentation, International Doctoral Student Support Group, University of Northern Colorado, Greeley, CO.
- 2005 Hutchinson, S. R., & Pearson, R. *The Effects of Nonnormality on Type 1 and 2 Error Rates in Tests of Noninvariance in Confirmatory Factor Analysis*. Invited presentation, SRM 650: Research and Statistics Colloquium. University of Northern Colorado, Greeley, CO.

- 2004 Lahman, M., & Hutchinson, S. R. *Understanding Research Methods: The Right Method for Your Question*. Invited presentation at the National Center for Low-Incidence Research Summit, Denver, Colorado.
- 2004 Hutchinson, S. R., & Young, J. *Power of the Likelihood Ratio Test under Various Conditions of Factor Loading Noninvariance in Confirmatory Factor Analysis Models*. Presentation to SRM 650: Research and Statistics Colloquium, University of Northern Colorado, Greeley, CO.
- 2004 Peterson, C. M., Chen, L. Dute, R., Kelley, M. N., Morrow-Baker, A., & Hutchinson, S. R. (October 2004). *The timing of anatomical and morphological changes occurring during the abscission process in cotton (Gossypium Hirsutum L.)*. Invited presentation at Nan Qiang Academic Lecture, Xiamen University, PR China.
- 2003 *Career Day*. Invited panelist, Greeley West High School, Greeley, CO.
- 2002 Hutchinson, S. R. (2002, February). *The Effect of Unmeasured Variables on Parameter Estimate Bias: A Comparison of Manifest Variable Versus Latent Variable Path Models*. Invited presentation, SRM 650: Research and Statistics Colloquium, University of Northern Colorado, Greeley, CO.
- 2001 Olmos, A., & Hutchinson, S. R. *Measurement equivalence of a clinical measure of personality dysfunction across ethnic groups*. Invited presentation at the annual meeting of the Organization for Program Evaluation in Colorado, Lyons, Colorado.
- 2000 National Research Summit on Workplace Financial Education (Facilitated small-group grant-development activities and made presentation on grant hypotheses/data analyses, Roanoke, Virginia)
- 2000 *Virginia Tech Assessment of Campus Climate: Undergraduate Survey*. (Presented results of the campus climate assessment at the "Summit on Student Athlete Success," sponsored by the Virginia Tech Department of Athletics, Blacksburg, Virginia)
- 1998 Invited panelist, *Joining the Faculty: A Panel Discussion of the Transition from Graduate School to New Faculty Member*, at First Annual College of Human Resources & Education Graduate Student Research Conference.
- 1998 *Preparing Students for the Standards of Learning Assessment* (2 hour workshop, co-presented with Lawrence Cross, Christiansburg High School)
- 1998 *Designing and Implementing Monte Carlo Simulation Studies* (presenter, one day workshop, University of Denver, College of Education)
- 1998 *Secondary Data Analysis of Large-Scale Data Bases for Institutional Research* (co-presented with Cheryl Lovell, two day workshop, University of Denver, College of Education)

- 1995 *Testing 1, 2, 3... Improving Your Classroom Tests.* (presenter, one day training workshop sponsored by the Center for Teaching International Relations, University of Denver)
- 1992 Workshop on development of classroom assessment training modules (co-leader with Jeri Benson, multi-month continuing workshop, State of Georgia)
- 1979 *Barriers to communication: Can one typify the Appalachian patient's attitude toward health.* (Presented at the East Tennessee State University Continuing Medical Education Conference, Health Education in Southern Appalachia, Johnson City, Tennessee.

FUNDED PROJECTS:

(2010). *AERA Statistics Institute for Faculty.* Professional development workshop with funding covering Institute fees, travel, lodging, and meals. Funded through the AERA Grants Program in conjunction with NSF.

(2007). Summer Graduate Research Assistantship Award, Cindy Kronauge, *Factors associated with socio-emotional development of young children: A comparison of adolescent versus adult mothers*, \$2,094 stipend + ½ tuition and fees paid, University of Northern Colorado.

(2005). *Evaluation of Colorado GEAR UP Program*, \$525,312 (2005-11). Colorado Commission on Higher Education, Co-wrote with Maria Lahman.

(2003). Summer Graduate Research Assistantship Award, Karen Raymond, *A structural equation model of campus climate*, stipend + tuition and fees, University of Northern Colorado.

(1994). *Proposal Preparation Fund.* \$600. University of Denver.

(1994). *Institute on Statistical Analysis for Education Policy.* Grant covered Institute fees, lodging and meals. Co-sponsored by NCES and NSF as part of the AERA Grants Program.

(1980). *Proposed Health Education Outreach Demonstration Project for Upper East Tennessee and Southwest Virginia.* \$7,000. Tennessee Valley Authority.

(1978). *Health Education Demonstration Project for Northeastern Scott County, Virginia.* \$13,800. Tennessee Valley Authority.

PROFESSIONAL CONSULTATION:

<u>Year(s)</u>	<u>Institution/Organization</u>	<u>Role</u>
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2006	Colorado Department of Education	Evaluation consultant and data analyst
2002	Colorado Commission on Higher Education	Data analyst and author of report on statewide first year teacher survey
2002	Mental Health Corporation of Denver	Member of grant-writing team
2002-2003	Colorado Commission on Higher Education	Member of technical committee to review psychometric properties of a statewide teacher survey
2000	Florida Postsecondary Educational Planning Commission's Baccalaureate Needs Analysis	Consultant and data analyst
1990-1991	General Services Administration, Washington, D.C.	Statistical Consultant
1990	Department of Counseling and Personnel Services, University of Maryland, College Park	Psychometric Consultant
1987-1991	University of Maryland	Statistical and Measurement Consultant on theses and dissertations
1987-1991	University of Maryland	Statistical Tutor
1978-1979	Policy Advisory Committee for Family Planning	Member
1978-1979	Regional Advisory Board for the Virginia Lung Association	Member

PROFESSIONAL ASSOCIATION PARTICIPATION:

Membership:

<u>Year(s)</u>	<u>Organization</u>	<u>Location</u>
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1989-present American Educational Research Association Washington, D. C.
 Division D
 Special Interest Groups: Structural Equation
 Modeling, Professors of Educational Research,
 and SIG on Survey Research

1989-present National Council on Measurement in Education Washington, D.C.

Service:

2004-2006 Member, National Council on Measurement in Education
 Recruitment of Educational Measurement Specialists Committee

1995, 2003 & 2004 Invited Manuscript Reviewer, *Psychological Methods*

2002 & 2003 Invited Manuscript Reviewer, *European Journal of Psychological
 Assessment*

2001, 2004, &
 2007, 2008, 2009 Invited Manuscript Reviewer, *Structural Equation Modeling*

2000-2004 Editorial Board Member, *Educational Measurement: Issues and Practice*

2000 Proposal Reviewer, American Educational Research Association,
 Annual Meeting, Division D

1997 &
 1999 Proposal Reviewer, American Educational Research Association Annual
 Meeting, Structural Equation Modeling Special Interest Group

1994-2001 Consulting Editor, *Journal of Experimental Education*

1994 Proposal Reviewer, National Council on Measurement in Education
 Annual Meeting

COMMUNITY SERVICE:

<u>Date(s)</u>	<u>Activity</u>	<u>Location</u>
2007	Member of Institutional Review Board for Colorado Department of Education	Denver, CO
1995	Survey Design and Analysis Consultant Task Force on Violence in the Schools	Bristol Tennessee School Board

1994-1995	Statistical Consultant	Center for Addictions Research and Evaluation, Denver, Colorado
1993-1995	Research/Evaluation Consultant	“Educational Options for Children,” Coors Foundation

UNIVERSITY SERVICE: University of Northern Colorado

Department/Unit:

<u>Date(s)</u>	<u>Position</u>	<u>Activity</u>
2005-2009	ASRM, Program Coordinator	Managed miscellaneous administrative functions within ASRM
2005-2006	Chair, Search Committee, ASRM	Reviewed faculty applications, facilitated candidate review procedures, and assisted with interviewing candidates
2004-2007, 2010	Chair, Departmental Evaluation Committee	Wrote summary letters for annual and comprehensive reviews
2004	Member, Search Committee, ASRM statistics faculty	Reviewed applications and assisted with interviewing candidates
2001-present	Comprehensive Exam Committee	Wrote questions for and evaluated answers to comprehensive exams for Ph.D. students in ASRM

2000-2005	Manager, Research Consulting Lab	Provided statistical, psychometric, and design consultation to faculty and graduate students, and supervised doctoral lab consultants
2000	Member, Search Committee, ASRM qualitative faculty	Reviewed applications and assisted with interviewing candidates

School/College:

2008 - 2009	Director, School of Educational Research, Leadership, and Technology	Responsible for administrative oversight of the four program areas within the school
2006-2008	Member, CEBS Outstanding Service Provider Selection Committee	Reviewed dossiers of award nominees
2005-2007	Member, CEBS Outstanding Teacher Selection Committee	Reviewed dossiers of award nominees
2004	Member, Budget and Leadership/Management Task Force	Developed organizational plan for School of Educational Research Leadership, & Technology
2001-2004	College of Education Curriculum Committee	Reviewed proposed curriculum changes, course revisions, and requests for new courses
2000-2003 & 2004	Board Member, Center for Collaborative Research in Education	Reviewed grant proposals for faculty seeking CCoRE funding

University:

2004-2005	Member, Academic Scholarship and Graduate	Assisted with writing
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	Education Committee	report on current UNC policies and practices regarding scholarship and graduate education
2003-2005	Member, Assessment Coordinating Council	Served as part of advisory body to the Director of Assessment
2003-2005	Member, Faculty Publications and Review Board	Reviewed university-wide internal grant proposals and reviewed materials for University Scholar of the Year Award
2003-2007	Member, Institutional Review Board	Reviewed applications for conducting research with human subjects
2002-2007	Facilitator, UNC Dissertation Seminar	Conducted 3-week long seminars on the dissertation process each semester

UNIVERSITY SERVICE: Virginia Tech

<u>Date(s)</u>	<u>Position</u>	<u>Activity</u>
<u>Department/Unit</u>		
1999	Search Committee, EDRE qualitative faculty member	Wrote position announcement, reviewed applications, and assisted with interviewing job candidates
<u>School/College:</u>		
1997-2000	Statistical consultant to faculty in the Department of Human Foods and Nutrition	Assisted with survey design and data analysis

1997-1998	Member, Technology Task Force	Evaluated technology-related objectives as part of NCATE accreditation
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University:

1999-2000	Grant consultant	Provided statistical and design consultation during writing of Workplace Financial Education grant
1999-2000	Consultant to Associate Provost	Conducted statistical analyses and wrote report on campus climate
1999-2000	Statistical consultant to faculty in Department of Psychology	Provided statistical advice on grant-related data analyses
1998	Reviewer for Aspires Grants	Reviewed grant proposals for university-wide grant competition

UNIVERSITY SERVICE: University of Denver

School/College:

1997	Faculty Sponsor, First Annual College of Education Graduate Student Research Day	Assisted graduate students with planning and implementation of a college-wide research day
1995-1997	Faculty Sponsor, Faculty-Student Research Forum	Organized monthly informal faculty/student meetings to discuss various research topics
1995	Search Committee, Counseling Psychology	Reviewed applications

	Assistant Professor Search	and assisted with interviewing job candidates
1994-1995	Appointments Promotion and Tenure Committee	Reviewed documents of and made recommendations regarding faculty applying for promotion and tenure
1993-1997	Research and Scholarship Committee	Reviewed and revised college-wide research-related courses and curriculum requirements
1993-1996	Educational Technology Committee	Reviewed issues related to computer and technology resources in the college
1993-1996	Human Subjects Review Committee	Reviewed IRB proposals in the college

University:

1996-1997	Faculty Review Committee	Reviewed documents and made recommendations in case of tenure revocation
1996-1997	Statistical Consultant to Faculty in School of Social Work	Assisted faculty with data analysis
1995-1997	Statistical and Psychometric Consultant, Center for Marriage and Family Studies Department of Psychology	Provided advice on grant-related data analyses
1995-1997	Statistical Consultant to Faculty in Department of Languages and Literature	Assisted faculty with data analyses

GRADUATE STUDENT COMMITTEES: (1997 to present)

Doctoral (Dissertations Defended):

- November 5, 2010. Michael H. LeBlond (Counseling Psychology). *The relationship between expectations regarding aging and resilience in a diverse sample of adults age 45 and over*. Research Methods Advisor and Faculty Representative.
- October, 27, 2010. Susan Schneeberger (Counseling Psychology). *Unitive/mystical experiences and life changes*. Research Methods Advisor and Faculty Representative.
- *November 5, 2009. Karen J. Raymond (Applied Statistics & Research Methods). *Sensitivity of HLM growth and school effect estimates to the number of waves of data utilized*. Research Advisor.
- *November 4, 2009. Kathryn K. DeRoche (Applied Statistics & Research Methods). *The functioning of global fit statistics in latent growth curve modeling*. Research Advisor.
- *June 11, 2009. Martin Monson (Special Education). *The expanded core curriculum and its relationship to postschool outcomes for youth who are visually impaired*. Research Methods Advisor and Faculty Representative.
- April 27, 2009. Amber Burgess (Sport & Exercise Science). *Parental influence on youth motivation to be physically active*. Research Methods Advisor and Faculty Representative.
- March 24, 2009. Ron Glazier (School Psychology). *Sexual minority youth and risk behaviors: Implications for the school environment*. Research Methods Advisor and Faculty Representative.
- April 1, 2008. Monica Geist (Applied Statistics & Research Methods). *A methodological examination of a focus group informed Delphi: A mixed methods investigation of female community college science, technology, engineering, and mathematics students*. Committee Member.
- October 30, 2008. Barbara Francis (Sport & Exercise Science). *The effects of a specifically designed exercise intervention on blood cell counts of breast cancer patients undergoing selected chemotherapy*. Research Methods Advisor and Faculty Representative.
- July 31, 2007, Catherine Coon (Counseling Psychology). *Therapist attachment style and trust as predictors of alliance with clients*, Faculty Representative.
- June 22, 2007. Cory Christianson. (Kinesiology). *The Effect of Flexibility Training on Gait Biomechanics and Physical Function of Older Adults*. Research Methods Advisor and Faculty Representative.
- June 20, 2007. Dwayne Schmitz. (Applied Statistics & Research Methods). *An empirical sensitivity analysis of value-added teachers' effect estimates to hierarchical linear model parameterizations*. Research Advisor.
- * April 6, 2007. Monica Buettel. (School Psychology). *Research-based social-emotional interventions for Asperger syndrome: A meta-analysis*, Faculty Representative.
- *September 11, 2006. John Coleman. (Applied Statistics & Research Methods). *A simulation study of*

the piecewise hierarchical model approach to meta-analysis of single-subject data. Research Advisor.

July 28, 2006. Jennifer Joy. (School Psychology). *An evaluation of positive social competence in preschool populations using structural equation modeling,* Research Methods Advisor and Faculty Representative.

June 27, 2006. Christi Harter. (Educational Technology). *The effects of spatial contiguity within computer-based instruction of group personalized two-step mathematics word problems,* Research Methods Advisor and Faculty Representative.

March 31, 2006. John Young (Applied Statistics & Research Methods). *Minimum sample size requirements for two-way MANOVA designs: An examination of effect size, power, alpha level, number of dependent variables, and power of the interaction effect.* Committee Member.

July 29, 2005. Mike Bohne. (Kinesiology). *The effects of hiking downhill using two trekking poles while carrying different external loads in a backpack.* Research Methods Advisor and Faculty Representative.

March 9, 2005. Kimberly Cedorian. (Counseling Psychology). *The relationship between parenting style, parenting stress, and a parenting intervention.* Research Methods Advisor and Faculty Representative.

*November 5, 2004. Margaret Moore (Special Education). *A reliability study of the Colorado Student Assessment Program Alternate (CSAP-A) Third Grade Reading and Writing Assessment.* Research Methods Advisor and Faculty Representative

November 5, 2004. Jonathan Casper (Sport and Exercise Science). *Explaining adult tennis participants' participation frequency and purchase intention with the sport commitment model.* Research Methods Advisor.

July 27, 2004. Barbara V. Andrews (Counselor Education). *An examination of the factors affecting school counselors' competency to address the needs of children of same-sex parented families.* Research Methods Advisor and Faculty Representative.

July 20, 2004. Leann Wyrick (Counselor Education). *A qualitative study of secondary school counselors' perceived competencies in student career development.* Research Methods Advisor and Faculty Representative

June 18, 2004. Sherry Meadows (Counseling Psychology). *Correlates in the development of eating disorders among adolescent males.* Research Methods Advisor and Faculty Representative

*June 11, 2004. Timothy Ulmer (School Psychology). *An investigation of the factors that influence the involvement of school psychologists in transition services.* Research Methods Advisor and Faculty Representative

- April 16, 2004. Jessica Singleton (School Psychology). *Parent-infant interaction interventions: A meta-analysis*. Faculty Representative.
- April, 2004. Jennifer L. Shroyer (Special Education). *An examination of current attitudes, knowledge and extent of participation of speech-language pathologists in literacy education in school-aged children*. Research Methods Advisor and Faculty Representative.
- March 26, 2004. Maha Sheaha (Special Education). *Factors related to job dissatisfaction among special education teachers in Saudi Arabia*. Research Methods Advisor and Faculty Representative.
- *March 11, 2004. Jen-Yi Li (Special Education). *Interagency collaboration in transition practice: An initial model*. Research Methods Advisor and Faculty Representative
- October 15, 2003. Li-Wen Hsieh (Sport Administration). *Consumer behavior associated with professional baseball in Taiwan: An empirical model*. Research Methods Advisor and Faculty Representative.
- August 7, 2003. Manisha Javeri. (Educational Technology). *Technology integration: Best practices in higher education*. Research Methods Advisor and Faculty Representative
- July 1, 2003. Jennifer Keith. (Counseling Psychology). *The relationship between social support, coping style, positive/negative affect and depression and anxiety among patients with chronic obstructive pulmonary disease*. Research Methods Advisor and Faculty Representative
- April 4, 2003. Wei-Yen Hsiao. (Elementary Education). *Comparison of Montessori and non-Montessori teachers' beliefs about developmentally appropriate practice in preschools*. Research Methods Advisor.
- March 31, 2003. Douglas Owens (Music). *An analysis of the high school band director's exposure to sound pressure levels*. Research Methods Advisor and Faculty Representative.
- November 5, 2002. Kyungmi Kim (Hospitality & Tourism Management, Virginia Tech). *The effects of tourism impacts upon quality of life of residents in the community*. Research Methods Advisor.
- November, 1, 2002. Roger Thrush. (Human Rehabilitation). *A comparison study of disability management practitioners' use of disability management knowledge competencies based on methods of training* Research Methods Advisor.
- September, 19, 2002. Yooshik Yoon (Hospitality & Tourism Management, Virginia Tech). *Development of a structural model for tourism destination competitiveness from stakeholders' perspectives*. Research Methods Advisor.
- June 18, 2002, Mercedes Schneider (Applied Statistics & Research Methods). *A Monte Carlo investigation of the utility of standardized weights in descriptive discriminant analysis*. Research Advisor.

- October, 2001, Lisa Jones (University of Denver). *Investigation of gender differences in structure of career interests: A comparison of the Campbell Interest and Skill Survey and Holland's RIASEC model*, Research Methods Advisor.
- April 2001, James C. Dunton (Virginia Tech). *Selection criteria used by high school principals in Virginia when hiring first-year career and technical education teachers*, Research Methods Advisor.
- August, 2000, Dorothy Bagwell (Virginia Tech). *Work and personal financial outcomes of credit counseling clients*, Research Methods Advisor.
- May, 2000, Donna Dawson (Virginia Tech). *Determinants of nonrecovery following hip fracture in older adults: A chronic disease trajectory analysis*, Research Methods Advisor.
- March 10, 2000, Audra K. Langley (Virginia Tech). *Coping efforts and efficacy, acculturation, and post-traumatic symptomatology in adolescents following wildfire: A latent variable path analysis*. Research Methods Advisor.
- April, 1999, Joy M. Seacat (University of Denver). *Psychosocial factors associated with early breastfeeding outcome*, Research Methods Advisor.
- February, 1999, Stanley P. Waskiewicz (Virginia Tech). *Factors that contribute to job satisfaction of secondary school assistant principals*, Research Methods Advisor.
- July, 1998, Richard Merritt (University of Denver). *Technology use in the classroom: Motivations for faculty use*, Research Methods Advisor.
- June, 1998, Kathleen Ellis (University of Denver). *The relationships among perceived teacher confirmation, cognitive learning, and affective learning*, Research Methods Advisor.
- November, 1997, Scott Demuro (University of Denver). *Development and validation of an instrument to measure DUI therapeutic educator style*, Co-Chair.
- November, 1997, Melissa Reeves. (University of Denver). *A process evaluation of a T-school program*. Research Methods Advisor.
- September, 1997, James M. Hoeland (University of Denver). *The effect of block classes on student achievement of high school freshmen*. Research Methods Advisor.
- June, 1997, Karen E. Mason. (University of Denver), *A model of psychological distress among Hispanic male Vietnam veterans diagnosed with PTSD*, Research Methods Advisor.
- May, 1997, Beth U. Alseike. (University of Denver). *Cognitive coaching: Its influences on teachers*. research methods advisor.
- May, 1997, Christian M. Itin. (University of Denver). *The orientation of social work faculty to the philosophy of experiential education in the classroom*. Research Methods Advisor.

May, 1997, Joharry Othman. (University of Denver). *Gender and ethnic relationships between values, attitudes, and behavior among selected Malaysian fourth and fifth form students*. Co-chair.

May, 1997, Dorothy L. Swearingen. (University of Denver). *Response sets, item format, and thinking style: Implications for questionnaire design*. Co-chair.

* Recipient of UNC Graduate Dean's Citation for Outstanding Dissertation.

Present Committee Membership

Emily Richter (Counseling Psychology) (2010-present). Faculty Representative.

Michael Jenkins (School Psychology) (2010-present). Faculty Representative.

Sarah Wilson (Educational Psychology) (2010-present). Faculty Representative. Oral comprehensive exams

Kirk Ketelson (Applied Statistics & Research Methods) (2009-present). Chair. Oral comprehensive exam.

Crystal Southall (Sport & Exercise Science) (2009-present). Faculty representative. Oral comprehensive exam.

Denise Lucia (Counseling Psychology) (2009-present). Faculty Representative. Oral comprehensive exams, dissertation proposal defense

Michael LeBlonde (Counseling Psychology) (2009-present). Faculty Representative, dissertation proposal defense, final dissertation defense.

Jessica Rehling (Higher Education & Student Affairs Leadership) (2009-present). Faculty Representative. Orals

Jennifer Riese (Counseling Psychology) (2009-present). Faculty Representative. Oral comprehensive exams; dissertation proposal defense.

Ryan Hall (Sport & Exercise Science) (2008 – present). Faculty Representative. Oral comprehensive exams.

Donna Bresee (School Psychology) (2006 – present). Faculty Representative

Sheri Green (Applied Statistics & Research Methods) (2006 – present). Research Advisor, Oral comprehensive exam.

Dennis Ballinger (Applied Statistics & Research Methods) (2006 – present)

Ann Ingala (Counseling Psychology) (2005 – present). Faculty Representative and Research

Methods Advisor. Oral comprehensive exam; dissertation proposal defense.

Jack Shaw (Applied Statistics & Research Methods) (2005 – present) Research Advisor, Oral comprehensive exam.

Susan Schneeberger (Counseling Psychology) (2005 – present) Faculty Representative and Research Methods Advisor, Oral comprehensive exam, dissertation proposal defense, final dissertation defense

Cindy Kronauge (Applied Statistics & Research Methods) (2005 – present) Research Advisor. Oral comprehensive exam.

Abdulelah Al-Musa (Special Education) (2005 – present) Faculty Representative and Research Methods Advisor. Oral comprehensive exam

Lyndsay Noble (Applied Statistics & Research Methods) (2004 – present) Research Advisor. Dissertation proposal defense

Other Doctoral Committee Involvement (1997 through present):

Heather Muir (Sport & Exercise Science) (2009-present). Faculty Representative. Oral comprehensive exams.

Brock Jensen (Sport & Exercise Science) (2008). Faculty Representative. Participated in oral comprehensive exams.

Lisa Kay Sprod (Kinesiology) (2006 – 2007) Faculty Representative. Participated in oral comprehensive exam.

Jason Wang (Sport & Exercise Science) (2005 – 2007), Research Methods Advisor, participated in comprehensive exam orals and dissertation proposal defense.

Rachel Heafitz (Higher Education & Student Affairs Leadership) (2006 – 2007). Faculty Representative, participated in oral comprehensive exams.

Khalid Al Hamad (Special Education). Faculty Representative, participated in oral comprehensive exam.

Bonnie Steele (ASRM). Research Advisor, participated in oral comprehensive exam

Lisa Artale (Virginia Tech, Gerontology) (Research Methods Advisor, wrote and evaluated comprehensive exam questions, participated in oral exam, participated in dissertation proposal defense)

Brett Prilick (Special Education) (participated in oral comprehensive exam)

Laura Bayless (Virginia Tech, Higher Education) – participated in comprehensive exam orals

Denise Collins (Virginia Tech, Higher Education) – participated in comprehensive exam orals

Benjamas Kutinaras (Virginia Tech, Housing and Interior Design) – wrote and evaluated comprehensive exams, participated in comprehensive exam orals

Abrina Schnurman (Virginia Tech, Counselor Education) – member of committee for qualifying exam orals

Linn Scruggs (Virginia Tech, Educational Research & Evaluation) – wrote and evaluated comprehensive exams, participated in comprehensive exam orals

Stephen Huff (Virginia Tech, Housing and Interior Design) – member of committee for qualifying exam orals

Tarek El Badawy (Virginia Tech, Family Financial Management) – wrote and evaluated comprehensive exam questions, participated in comprehensive exam orals

Launcelot Brown (Virginia Tech, Educational Research & Evaluation) – wrote and evaluated comprehensive exam questions, participated in comprehensive exam orals

Maria Lahman (Virginia Tech, Human Development) – wrote and evaluated comprehensive exam questions, participated in comprehensive exam orals

Soyeon Park (Virginia Tech, Human Development) – wrote and evaluated comprehensive exam questions, participated in comprehensive exam orals

Paula Burdette (Virginia Tech, Special Education Administration) – member of committee for qualifying exam orals

Cindy Crosscope-Happel (Virginia Tech, Counselor Education) – member of committee for qualifying exam orals

Judy Esposito (Virginia Tech, Counselor Education) – member of committee for qualifying exam orals

Maurya Schweitzer (Virginia Tech, Educational Psychology) – participated in comprehensive exam orals

Juliann Smith (Virginia Tech, Counselor Education) – member of committee for qualifying exam orals

TEACHING: University of Northern Colorado

Courses Taught:

<u>Year</u>	<u>Title</u>	<u>Department/Unit</u>
2002	SRM 600: Introduction to Graduate Research	Applied Statistics & Research Methods (taught for M.P.H. cohort in the Dept. of Community Health & Nutrition)
2000 -- present	SRM 602: Statistical Methods I	Applied Statistics & Research Methods
2001, 2003, 2004, 2006	SRM 625: Applied Multiple Regression Analysis	Applied Statistics & Research Methods
2002, 2004, 2006, 2008	SRM 705: Advanced Issues in Research Methods	Applied Statistics & Research Methods
2002, 2004, 2005, 2006	SRM 521: Statistical Computing with SPSS	Applied Statistics & Research Methods
2002, 2003, 2005, 2006, 2007, 2008, 2009	SRM 627: Survey Research Methods	Applied Statistics & Research Methods
2000 -- 2006	SRM 700: Advanced Research Methods	Applied Statistics & Research Methods
2007	SRM 641: Structural Equation Modeling	Applied Statistics & Research Methods

Courses Developed:

SRM 521: Statistical Computing with SPSS
 SRM 625: Applied Multiple Regression
 SRM 627: Survey Research Methods
 SRM 641: Structural Equation Modeling
 SRM 705: Advanced Issues in Research Methods

TEACHING: Virginia Tech

Courses Taught:

<u>Year</u>	<u>Title</u>	<u>Department/Unit</u>
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1998	EDRE 5404: Foundations of Educational Research & Evaluation	Educational Leadership & Policy Studies / Educational Research and Evaluation
1998 & 1999	EDRE 6624: Measurement Theory in Education	Educational Leadership & Policy Studies / Educational Research and Evaluation
1998	EDRE 6634: Advanced Statistics in Education (Multiple Regression)	Educational Leadership & Policy Studies / Educational Research and Evaluation
2000	EDRE 6654: Multivariate Statistics in Education	Educational Leadership & Policy Studies / Educational Research and Evaluation
1997-2000	EDRE 6794: Behavioral Research Methods I and II	Educational Leadership & Policy Studies / Educational Research and Evaluation

TEACHING: University of Denver

Courses Taught:

<u>Year</u>	<u>Title</u>	<u>Department/Unit</u>
1997	EDUC 4056: Critical Analysis of Research	Quantitative Research Methods
1994-1997	EDUC 4900: Educational Measurement	Quantitative Research Methods
1994-1997	EDUC 4905: Psychometric Theory	Quantitative Research Methods
1995 & 1997	EDUC 4925: Structural Equation Modeling	Quantitative Research Methods
1994-1997	EDUC 4930: Statistical Applications on the Computer for the Social Sciences	Quantitative Research Methods
1993-1997	EDUC 4952: Correlational Research Methods	Quantitative Research Methods
1997	EDUC 4960: Analysis of Variance	Quantitative Research Methods

1994

EDUC 4970: Statistical Methods in
Education and Psychology

Quantitative Research
Methods

Courses Developed:

EDUC 4925: Structural Equation Modeling

PROFESSIONAL DEVELOPMENT:

Workshops, Clinics, Symposia, Conferences

- 2010 "AERA Statistics Institute for Faculty," three-day workshop on using large-scale databases, Stanford University, Stanford, California.
- 2009 "Propensity Score Methodology," day-long training session, Graduate School of Social Work, University of Denver, Denver, Colorado
- 2008 "Multiple Imputation," day-long workshop, the Joint Statistical Meetings, Denver, Colorado.
- 2007 "HLM Workshop," Three-day training, University of Chicago Gleacher Center, Chicago, Illinois
- 2007 "Course Management Using Blackboard," Center for the Enhancement of Teaching and Learning workshop, University of Northern Colorado, Greeley, CO
- 2007 "Introduction to Excel," Center for the Enhancement of Teaching and Learning workshop, University of Northern Colorado, Greeley, CO
- 2007 "Introduction to Access," Center for the Enhancement of Teaching and Learning workshop, University of Northern Colorado, Greeley, CO
- 2007 "Applying Hierarchical Models to Causal Inference," AERA Day-long Workshop, Chicago, Illinois
- 2007 "Common Methodological Errors in Multivariate Statistics and How to Avoid Them," AERA day-long professional development training session, Chicago, Illinois
- 2006 "LISREL for Advanced Users," Three-day training, University of Chicago Gleacher Center, Chicago, Illinois
- 2004-2005 University of Northern Colorado Administrative Fellows Program
- 2003 "Human Research Protections in Education Research: A Mini-Course," AERA Mini-course, Chicago, Illinois
- 2000 SPARC workshop on use of Blackboard for web-based instruction, University of Northern

Colorado, Greeley, Colorado

- 1999 Faculty Development Institute 3-day workshop, "Using the Web to Enhance an Existing Course, Virginia Tech, Blacksburg, Virginia.
- 1997 "Applications of Structural Equation Modeling to Performance Assessment," AERA Training Session, Chicago, Illinois
- 1995 "Generalizability Theory and Applications," NCME Training Session, San Francisco, California
- 1994 "Advances in Latent Variable Modeling with Longitudinal, Missing, and Multilevel Data," AERA Pre-session, New Orleans, Louisiana
- 1994 Institute on Statistical Analysis for Education Policy, 3-day workshop on using large-scale data bases, in conjunction with the AERA annual meeting, New Orleans, Louisiana
- 1993 "Applications of IRT: Models and Methods for the Analysis of Multiple-Categorical Item Response Data," NCME Training Session, Atlanta, Georgia
- 1990 "Teaching Measurement Concepts to Teachers," NCME Workshop, Boston, Massachusetts
- 1984 Workshop on Use of Microcomputers in Administration of Continuing Education, Virginia Polytechnic Institute and State University, Blacksburg, Virginia

Courses Taken:

EDUC 4906: Topics in Psychometrics: Rasch Modeling (University of Denver)

HONORS AND AWARDS:

<u>Date</u>	<u>Title of Honor/Award</u>	<u>Granting Organization</u>
2005	Outstanding Service Provider, College of Education	University of Northern Colorado
2004	Outstanding Teacher, College of Education	University of Northern Colorado
2004	Provost's Award for Excellence in Faculty Advisement	University of Northern Colorado
2000	Nominee, William F. Wine Award for Teaching Excellence	Virginia Polytechnic Institute and State University

2000	Nominee, College of Human Resources & Education Certificate of Teaching Excellence	Virginia Polytechnic Institute and State University
1994	Finalist, Outstanding Dissertation Award	AERA Division D
1983	Member of Gamma Beta Phi National Honor Society	Gamma Beta Phi National Honor Society
1976	Member of Phi Beta Kappa	Phi Beta Kappa
1975	Recipient of Winifred Todd Parker Memorial Scholarship	University of Florida
1972	Florida Regents Scholar	State of Florida Board of Regents