

Vicki Peyton

Department of Psychology and Research in Education
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University of Kansas
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Lawrence, KS 66045
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EDUCATION

Ph.D., *University of Kansas*, Lawrence, KS, May 2000
Major Field: Psychology and Research in Education
Minor Field: Developmental Psychology
Dissertation Title: *Differential item functioning of the Parental Modernity Inventory:
A method comparison*
Co-Chairs: Doug Glasnapp, Ph.D. and Marion O'Brien, Ph.D.

Master of Science in Education, *University of Kansas*, Lawrence, KS, May 1997
Major Field: Educational Psychology and Research
Thesis Title: *Multiple correct item formats: A psychometric analysis*
Chair: Dick Tracy, Ph.D.

PROFESSIONAL EXPERIENCE

Assistant Professor Department of Psychology and Research in Education, University of Kansas, Lawrence, KS.	August 2004 - present
Research Associate Center for Educational Testing and Evaluation, University of Kansas, Lawrence, KS. Joint Appointment with the Psychology and Research in Education Department.	August 2004 - present
Statistical Consultant NICHD Study of Early Child Care and Youth Development, University of Kansas, Lawrence, KS	August 2004 - present
Full-Time Instructor Department of Psychology and Research in Education, University of Kansas, Lawrence, KS	August 2001 – August 2004
Statistical Analyst NICHD Study of Early Child Care and Youth Development, University of Kansas, Lawrence, KS	August 1996 – August 2004
Part-Time Lecturer Department of Psychology and Research in Education, University of Kansas, Lawrence, KS	August 2000 – July 2001

Statistical Analyst/Consultant

August 1999 – August 2001

Child and Family Research Center, Department of Human
Development and Family Life, University of Kansas,
Lawrence, KS

COURSES TAUGHT**University of Kansas**

PRE 710 Introduction to Statistical Analysis: Spring 2002, Spring 2003, Fall 2003,
Spring 2004
PRE 715 Understanding Research in Education: Spring 2001, Summer 2001
PRE 810/904 Regression Analysis: Fall 2001, Fall 2002, Fall 2003, Fall 2004, Fall
2005, Fall 2006, Fall 2007, Fall 2008
PRE 811 Analysis of Variance: Fall 2001, Spring 2002, Fall 2002,
Spring 2003, Fall 2003, Spring 2004, Summer 2004
PRE 814 Nonparametric Statistics: Fall 2000, Fall 2002
PRE 905 Multivariate Statistical Analysis: Spring 2003, Spring 2005, Spring 2006,
Spring 2007, Spring 2009
PRE 926/998 Hierarchical Linear Modeling: Spring 2004, Fall 2009

ONLINE COURSES

PRE 715 Understanding Research in Education (Under Development)

SUPERVISION**University of Kansas**

Supervision of Graduate Teaching Assistants

PRE 711 Lab for the Introduction to Statistical Analysis: Spring 2002, Spring
2003, Fall 2003, Spring 2004
PRE 810 Regression Analysis: Fall 2008
PRE 811 Analysis of Variance: Fall 2001
PRE 904 Regression Analysis: Fall 2003, Fall 2004, Fall 2005, Fall 2006, Fall
2007, Fall 2008
PRE 905 Multivariate Analysis of Variance: Fall 2005, Spring 2006, Spring 2007,
Spring 2009

College Teaching Experience

PRE 710 Introduction to Statistical Analysis: Spring 2004
PRE 711 Lab for the Introduction to Statistical Analysis: Fall 2003
PRE 904 Regression Analysis: Fall 2005, Fall 2006
PRE 905 Multivariate Statistics: Spring 2007, Spring 2009

Independent Study

Educational Psychology and Research: Spring 2009
Special Education: Summer 2004, Fall 2004 (2), Spring 2005
Speech, Language, and Hearing: Summer 2004, Fall 2004, Fall 2005
Teaching and Leadership: Spring 2004

Research Practicum

Psychology and Research in Education: Fall 2005

PUBLICATIONS (Partial Listing)

JOURNAL ARTICLES (*Refereed; *italicized names indicate students*)

- *Murray, A., & Peyton, V. (2008). Public Montessori elementary schools: A delicate balance. *Montessori Life*, 28(4), 26-31.
- *Lowe, P.A., Peyton, V., & Reynolds, C.R. (2007). Test score stability and the relationship of Adult Manifest Anxiety Scale-College Version scores to external variables among college students. *Journal of Psychoeducational Assessment*, 25(1), 69-81. DOI: 10.1177/0734282906293698.
- *Frey, B.B., Petersen, S.E., Edwards, L.M., Pedrotti, J.T., & Peyton, V. (2005). Item-writing rules: Collective wisdom. *Teaching and Teacher Education*, 21, 357-364.

BOOK CONTRIBUTIONS (Partial Listing)

- Peyton, V. (2005). Effect size. In S.W. Lee (Ed.), *Encyclopedia of School Psychology* (p. 530). Thousand Oaks: Sage Publications, Inc.
- Peyton, V. (2005). Standard scores. In S.W. Lee (Ed.), *Encyclopedia of School Psychology* (pp. 186-187). Thousand Oaks: Sage Publications, Inc.

TECHNICAL REPORTS

- Peyton, V. (October 2008). *Consequential validity of the Kansas computerized reading and mathematics assessments: Educator perspectives*. Technical Report. Center for Educational Testing and Evaluation, University of Kansas.
- Peyton, V. (September 2008). *Quality and utility of the Kansas computerized assessment system from the perspective of the Kansas educator*. Technical Report. Center for Educational Testing and Evaluation, University of Kansas.

TECHNICAL MANUALS

- Peyton, V., Kingston, N.M., Skorupski, W., Glasnapp, D., & Poggio, J. (2009). *Kansas English Language Proficiency Assessment (KELPA) Technical Manual*. Center for Educational Testing and Evaluation, University of Kansas.

MANUSCRIPTS SUBMITTED FOR PUBLICATION

- Peyton, V. *Single and multiple option multiple-choice exam formats: How does this relate to classroom assessment?* Manuscript submitted for publication.
- Mahlis, M., Friedman-Nimz, R., Rice, S., & Peyton, V. *Measuring teachers' curricular beliefs: From Hong Kong to the United States*. Manuscript submitted for publication.

de Boer, S.R., Simpson, R.L., & Peyton, V. *General education teacher's training and perceived teaching challenges related to inclusion of learners with autism spectrum disorders*. Manuscript submitted for publication.

Frey, B.B., Schmitt, V.L., Petersen, S.E. & Peyton, V. *The quality of teacher-made tests*. Manuscript submitted for publication.

RESEARCH IN PROGRESS (Partial Listing)

Peyton, V. Evaluating the factor structure of a statewide English language proficiency assessment. Manuscript in preparation.

Peyton, V., & Chen, J. *Examination of the relationship between the Kansas English Language Proficiency Assessment and other commercially available tests*. Manuscript in preparation.

Peyton, V., & Kingston, N. *Examining the dimensions of English language proficiency testing: Domain and methods effects*. Manuscript in preparation.

RESEARCH GRANT ACTIVITIES (Partial Listing)

Assessing the consequential validity of the Kansas general science assessments and KAMM via classroom activities and observations. Proposal submitted by the Center for Educational Testing and Evaluation to the Kansas Department of Education (2009-2012).

Peyton, V., (P.I.) (2007 - 2008). *Childrearing beliefs: Factor structure invariance by parent gender and administration time*. Awarded \$8,449 from the General Research Fund, University of Kansas.

Peyton, V. (P.I.) (2006 - 2008). *Examination of measurement equivalence in psychological research*. Awarded \$3000 from the New Faculty Research Fund Program, University of Kansas.

PRESENTATIONS (Partial Listing)

PROFESSIONAL PRESENTATIONS (*Refereed; **Invited; italicized names indicate students)

Yager, H.J, Lowe, P.A., & Peyton, V. *Examining differences in test anxiety among Hispanic and white adolescents*. Poster to be presented at the Annual Meeting of the American Psychological Association Conference, Toronto, Canada (August, 2009).

**Murray, A., & Peyton, V. (February 2009). *Public Perceptions of Montessori Education*. Invited paper presented at the American Montessori Society Annual Conference, New Orleans, LA.

*Murray, A., & Peyton, V. (February 2009). *Identifying Challenges to the Future of Public Montessori Schools*. Paper presented at the American Montessori Society Annual Conference, New Orleans, LA.

*Friedman-Nimz, R., Mahlios, M., & Peyton, V. (February 2008). *Teachers' curricular beliefs: Spanning the great divide between the espoused and the enacted*. Paper presented at the Association of Teacher Educators Annual Meeting, New Orleans, LA.

- *Mueller, C.D., & Peyton, V. (2007, April). *Assessing consequences of varying response probability values on achievement via multinomial logistic regression*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- *Mahlios, M., Friedman-Nimz, R., Thomas, K., Rice, S., O'Brien, B., & Peyton, V. (2006, February). *Development and field-testing of an instrument designed to measure teacher's curricular beliefs*. Paper presented at the Association of Teacher Educators Annual Meeting, Atlanta, GA.
- *Beauchamp, A.S., Peyton, V., & Quaintance, J. (2005, April). *Understanding teachers' perceptions of student-teacher relationships through classroom observation*. Paper presented at the Annual Meeting of the American Educational Research Association, Montreal, Canada.
- *Mahlios, M., Rice, S., O'Brien, B., Peyton, V., & Friedman-Nimz, R. (2004, November). *Teachers' Views of the Curriculum: The Hedgehog v. the Fox*. American Educational Studies Association, Kansas City, MO.
- *Frey, B.B., Schmitt, V.L., Petersen, S.E., & Peyton, V. (2004, April). *Validity of teacher-made tests*. Paper presented at the Annual Meeting of the American Educational Research Association, San Diego, CA.
- *Frey, B.B., Petersen, S.E., Edwards, L.M., Pedrotti, J.T. & Peyton, V. (2003, April). *Item-writing rules: Collective Wisdom*. Paper presented at the Annual Meeting of the American Educational Research Association, Chicago, IL.
- *Peyton, V. (2001, April). *Examination of group differences at the item level: Implementation of three differential item functioning techniques*. Poster session presented at the biennial meeting of the Society for Research in Child Development Conference, Minneapolis, MN.
- * Peyton, V., Roy, C., Jacobs, A., & O'Brien, M. (2001, April). *Child care choices: Associations among reasons, family factors, care quality, and satisfaction with care*. Poster session presented at the biennial meeting of the Society for Research in Child Development Conference, Minneapolis, MN.

REGIONAL PRESENTATIONS (**Invited; italicized names indicate students)

- **Peyton, V. (2008, November). *Kansas assessments and English Language Learners*. Workshop presentation at the Learning Disabilities Association of Kansas Annual Conference, Overland Park, KS.
- **Peyton, V., & Frey, B. (2008, October). *Dick and Jane build a nest: An introduction to Hierarchical Linear Modeling*. Workshop presented to the Center for Research on Learning, University of Kansas, Lawrence, KS.
- Beauchamp, A.S., Quaintance, J.L., Peyton, V., & O'Brien, M. (2004, November). *The influence of child demographic characteristics on teachers' perceptions of their relationships with students*. Paper presented at the Association for Psychological and Educational Research in Kansas and the Nebraska Psychological Society Annual Convention, Kearney, Nebraska.
- Clayton, D., & Peyton, V. (Faculty Sponsor). (2004, November). *The effects of changes to multiple-choice test questions on difficulty and discrimination values*. Poster presented at the Association

for Psychological and Educational Research in Kansas and the Nebraska Psychological Society Annual Convention, Kearney, Nebraska.

Lowe, P.A., & Peyton, V. (2002, November). *Addressing the psychometric properties of the AMAS-C among college students*. Poster presented at the Association for Psychological and Educational Research in Kansas and the Nebraska Psychological Society Annual Convention, Lawrence, KS.

Lowe, P.A., & Peyton, V. (2002, November). *Factor structure of the Adult Manifest Anxiety Scale-College Version (AMAS-C) across undergraduate and graduate Students*. Poster presented at the Association for Psychological and Educational Research in Kansas and the Nebraska Psychological Society Annual Convention, Lawrence, KS.

Peyton, V. (1997, February). *1993 Mathematics Orientation Questionnaire: What role does differential item functioning play in interpreting the results?* Poster session presented at the New Rules of Measurement Conference, Lawrence, KS.

HONORS

Amanda Wolkowitz, Awarded the 2007-2008 Outstanding Dissertation Award from the University of Kansas School of Education for the 2007-2008 academic year, Committee Methodologist
Anne Beauchamp, Awarded the 2006-2007 Outstanding Thesis Award from the University of Kansas School of Education for the 2006-2007 academic year, Masters Advisor and Chair
Angela Murray, Awarded 2005 Outstanding Montessori Masters Thesis by the American Montessori Society, Masters Advisor and Thesis Chair

PROFESSIONAL MEMBERSHIPS

American Educational Research Association (AERA)
Division D: Measurement & Research Methodology
Sig 108 – Second Language Research
National Council on Measurement in Education (NCME)
Society for Research in Child Development (SRCD)

SERVICE

Committees:

University of Kansas

Human Subjects Committee – Lawrence 2004 - 2008

School of Education, University of Kansas

Learning Resource Center Advisory Council 2009-present
Multicultural Committee 2008 - 2009
School of Education Graduation Marshall 2006 - present
Endowed Scholarship Committee, *Co-Chair* 2006 - 2008
Endowed Scholarship Committee 2004 - 2006
Technology Advisory Council Task Force 2005 - 2006
Undergraduate Curriculum Committee 2002

Psychology and Research in Education, University of Kansas

Faculty Search Committees

School Psychology	2007 - 2008
Educational Psychology and Research in Education Quantitative Methods	2005 - 2006
Educational Psychology and Research in Education Quantitative Methods	2004 - 2005

Admissions Committees

School Psychology	2004 - present
Educational Psychology and Research in Education	2001 - present

Departmental Committees

Faculty Review Committee	2008-2009
Faculty Review Committee, <i>Co-Chair</i>	2006 - 2007
School Psychology	2004 - present
Educational Psychology and Research in Education	2001 - present

Editorial Board Member:

<i>Journal of Psychoeducational Assessment</i>	2008 - present
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Ad hoc Reviewer:

<i>Educational and Psychological Measurement</i>	2008 - present
<i>Journal of Psychoeducational Assessment</i>	2008 - present
<i>Educational Research and Evaluation</i>	2007 - present
<i>Journal of Personality</i>	2004 - 2007
<i>Journal of Social and Clinical Psychology</i>	2002 - 2007
<i>Early Childhood Research Quarterly</i>	2001 - 2006
<i>AERA Division D - Measurement and Research Methodology</i>	2008 - present
Conference Proposal Reviewer Educational Measurement, Psychometrics, and Assessment Quantitative Methods and Statistical Theory	

STUDENT ADVISEES

Advisees Graduated:

Doctoral

- Danae Roberts, *Adolescent and emerging adult sexual decisions and problems*, Educational Psychology and Research, August 2006
- Dawn Clayton, *An investigation of the role of dimensionality and demographic variables in differential item functioning detection*, Educational Psychology and Research, May 2006
- Deb Elder, *Extended learning time through afterschool programs: A secondary analysis of a Midwestern afterschool program*, Curriculum and Teaching (Dissertation Advisor and Co-Chair), May 2009
- Angela Murray, *Public perceptions of Montessori education*, Educational Psychology and Research, May

2008

Canda Mueller, *Assessing the consequences of response probability choice on student performance across subpopulations*, Educational Psychology and Research, December 2005

Margaret Patterson, *Evaluating learner outcomes in adult education programs: An analysis of Kansas learning gains and employment outcomes*, Educational Psychology and Research, August 2005

Specialists

Karen Foss, School Psychology, May 2008

Masters

Anne Beauchamp, *Stereotype threat and achievement goals*, Educational Psychology and Research, May 2006

Angela Murray, *Identifying challenges to the future of public Montessori elementary schools*, Educational Psychology and Research, December 2005

Brooke Nash, *Perceptions and use of a formative assessment system*, Educational Psychology and Research, May 2008

Current

Doctoral

Anne Beauchamp, Educational Psychology and Research (coursework and comprehensive exams only)

Brooke Nash, Educational Psychology and Research

Kevin Welch, Educational Psychology and Research

Specialist

Abby Bowen, School Psychology

Megan Gilson, School Psychology

Rachel Graybill, School Psychology

Jennifer Hoyt, School Psychology

Abby Kittelson, School Psychology

STUDENT COMMITTEES

Current:

Doctoral

Clinical Child Psychology Doctoral Committees (1)

Counseling Psychology Doctoral Committees (3)

Curriculum and Teaching Doctoral Committees (6)

Educational Leadership and Policy Studies Doctoral Committees (3)

Educational Psychology and Research Doctoral Committees (4)

Health, Sports, and Exercise Science Doctoral Committees (2)

Applied Behavioral Science Doctoral Committees(1)

Psychology (2)

School Psychology Doctoral Committees (1)

Special Education Doctoral Committees (7)

Graduated:

Doctoral Committees

Business Doctoral Committee (1)
Clinical Child Psychology (8)
Communication Studies (1)
Counseling Psychology (11)
Curriculum and Teaching (5)
Educational Psychology and Research (11)
Health, Sports, and Exercise Science (2)
School Psychology (4)
Social Welfare (1)
Special Education (18)
Speech, Language, and Hearing (1)
Educational Leadership and Policy Studies (9)

Masters Committees

Clinical Child Psychology (1)
Counseling Psychology (3)
Educational Psychology and Research (6)
Music Education and Music Therapy (1)