

# Curriculum Vitae

## Neal Martin Kingston

### EDUCATION

- Ph.D. Educational Measurement, Teachers College, Columbia University, New York, NY, 1983  
M.Phil. Educational Measurement, Teachers College, Columbia University, New York, NY, 1983  
M.Ed. Educational Measurement, Teachers College, Columbia University, New York, NY, 1978  
M.A. Psychology in Education, Teachers College, Columbia University, New York, NY, 1977  
B.A. Liberal Studies (concentrations in Biology & Education), State University of New York, Stony Brook, NY, 1974

### EMPLOYMENT HISTORY

- 2006 – present University of Kansas, School of Education, Lawrence, Kansas  
Director, Achievement and Assessment Institute, 2012 – present  
Professor, Psychology and Research in Education, 2012 – present  
Program Coordinator, Research, Evaluation, Measurement, and Statistics track  
2010 –2011  
Director, Center for Educational Testing and Evaluation, 2009 – 2012  
Interim Department Chair, Psychology and Research in Education, Fall 2009  
Co-Director, Center for Educational Testing and Evaluation 2008 – 09  
Associate Department Chair, Psychology and Research in Education, 2008 – 10  
Associate Professor, Psychology and Research in Education, 2006 – 2012
- 2004 – 2006 CTB McGraw-Hill, Monterey, CA  
Vice President - General Manager and Vice President of Research
- 1996 – 2004 Measured Progress (name changed from Advanced Systems in 1998), Dover, NH  
Senior Vice-President 1997-2004  
Vice-President 1996-97
- 1996 Assessment Consultant
- 1993 – 1995 Kentucky Department of Education, Frankfort, KY  
Associate Commissioner, Office of Curriculum, Assessment, and Accountability
- 1991 – 1993 Assessment Consultant
- 1982 – 1991 Educational Testing Service, Princeton, NJ  
Executive Director, Workplace Assessment and Training, 1990–91  
Director of Graduate Record Examinations Research and New Testing Initiatives, 1989–90  
Director of Graduate Record Examinations Research and Test Development, 1987–89  
Group Head, School and Higher Education Programs Statistical Analysis, 1983–87  
Senior Measurement Statistician, School and Higher Education Programs Statistical Analysis, 1982–87
- 1981 – 1982 Los Angeles County Department of Personnel
- 1978 – 1981 Educational Testing Service, Princeton, NJ  
Associate Measurement Statistician
- 1974 – 1976 Yonkers Board of Education, Yonkers, NY  
Science Teacher

**HONORS**

2015 National Association of Assessment Directors Award for Outstanding Contributions to Educational Assessment

**KU TEACHING RECORD****A. List of Courses Taught (REMS = Research, Evaluation, Measurement, and Statistics)**

<b>Course Number &amp; Title</b>	<b>Sem/Year</b>	<b># Enrolled</b>
PRE 812, Meta-analysis	Spring 2016	15
PRE 980, Advanced Topics in REMS	Fall 2015	5
PRE 812, Meta-analysis	Spring 2015	27
PRE 980, Advanced Topics in REMS	Fall 2014	10
PRE 515, Understanding Research (McNair Scholars)	Spring 2014	19
PRE 715, Educational Measurement	Fall 2013	28
PRE 515, Understanding Research (McNair Scholars)	Spring 2013	15
PRE 715, Educational Measurement	Fall 2012	34
PRE 812, Meta-analysis	Spring 2012	11
PRE 980, Advanced Topics in REMS	Spring 2012	1
PRE 725, Educational Measurement	Fall 2011	34
PRE 980, Advanced Topics in REMS	Fall 2011	5
PRE 931, Seminar in Computer-Based Testing	Spring 2011	14
PRE 980, Advanced Topics in REMS	Spring 2011	7
PRE 725, Educational Measurement	Fall 2010	58
PRE 980, Advanced Topics in REMS	Fall 2010	11
PRE 812, Meta-analysis	Spring 2010	9
PRE 725, Educational Measurement	Fall 2009	54
PRE 598, Understanding Research (McNair Scholars)	Spring 2009	12
PRE 725, Educational Measurement	Fall 2008	64
PRE 598, Understanding Research (McNair Scholars)	Spring 2008	19
PRE 812, Meta-analysis	Spring 2008	20
PRE 725, Educational Measurement	Fall 2007	40
PRE 918, Current Issues and Trends	Fall 2007	2
PRE 725, Educational Measurement	Spring 2007	25
PRE 998, Seminar in Computer Based Testing	Spring 2007	5
PRE 725, Educational Measurement	Fall 2006	39

**B. Undergraduate Advising Record:** Not Applicable**C. Graduate and Postgraduate Advising Record**

**Committee Chair: Doctoral.** (Ph.D. date is date of final defense)

Pan, Qianqian, (Research, Evaluation, Measurement, & Statistics), Fall 2014-present

Thompson, William Jake, (Research, Evaluation, Measurement, & Statistics), Fall 2014-present

Lao, Hongling, (Research, Evaluation, Measurement, & Statistics), Spring 2013-present

Scheuring, Sylvia; (Research, Evaluation, Measurement, & Statistics) 2009-present

- Tiemann, Gail; (Research, Evaluation, Measurement, & Statistics) Ph.D. May 2015. An Investigation of Answer Changing on a Large-scale Computer-based Educational Assessment
- Loughran, Jessica, (Research, Evaluation, Measurement, & Statistics), Ph.D. December 2014. Differential Item Functioning for English Language Learners on Math Items: The Influence of Linguistic Complexity Features.
- Atalmis, Erkan; (Research, Evaluation, Measurement, & Statistics) Ph.D. May 2014. The Impact of Number of Options of Multiple-Choice Questions on Item and Test Quality.
- Clark, Amy, (Research, Evaluation, Measurement, & Statistics), Ph.D. August 2013. Validation of a cognitive diagnostic model across multiple forms of a reading comprehension assessment.
- Zhao, Fei; (Research, Evaluation, Measurement, & Statistics) Ph.D. July 2013. Using Noncompensatory Models in Cognitive Diagnostic Mathematics Assessments: An Evaluation Based on Empirical Data
- Gu, Fei; (Research, Evaluation, Measurement, & Statistics) Ph.D. May 2013. Using Parametric and Residual-based Bootstrap to Assess the Absolute Goodness-of-fit for State Space Model
- Zheng, Chunmei; (Research, Evaluation, Measurement, & Statistics) Ph.D. April 2013. Examination of Parameter Estimates When Violating the Orthogonality Assumption of the Bifactor Item Response Model.
- Chen, Jie; (Research, Evaluation, Measurement, & Statistics) Ph.D. August 2012. Impact of Instructional Sensitivity on High-Stakes Achievement Test Items: A Comparison of Methods.
- Wang, Wenhao; (Research, Evaluation, Measurement, & Statistics) Ph.D. May 2012. Are All Item Response Functions Monotonically Increasing?

**Committee Chair: Masters.**

- Clark, Amy; (Research, Evaluation, Measurement, & Statistics) 2010-2011
- Gu, Fei; (Research, Evaluation, Measurement, & Statistics) 2006-2009

**Other graduate committee service:**

**Doctoral**

- Alsheri, Khalid; (Educational Technology) 2009-2013
- Bastion, Susan; (Research, Evaluation, Measurement, & Statistics), 2008-present
- Carvajal, Jorge; (Research, Evaluation, Measurement, & Statistics) 2007-2010
- Cho, Hyun-jeong; (Special Education) 2008-2009
- Howarter, Stephani, (Research, Evaluation, Measurement, & Statistics) 2012-2015
- Kim, Min Jung; (Research, Evaluation, Measurement, & Statistics) 2010-2015
- Kim, Sooji; (Music Therapy) 2007-2008
- Lee, Jae Hoon; (Quantitative Psychology) 2007-2009
- Mark, Carolyn; (Special Education) 2010-2011
- Meiers, Christopher; (Research, Evaluation, Measurement, & Statistics), 2009-present
- Merrilat, Linda; (Educational Technology) 2007-2008
- Montgomery, Melinda; (Research, Evaluation, Measurement, & Statistics), 2011-2014
- Moshirnia, Andrew; (Educational Technology) 2007-2008
- Nash, Brook; (Research, Evaluation, Measurement, & Statistics), 2010-2012
- O'Brian, Joseph; (Research, Evaluation, Measurement, & Statistics), 2014-present
- Salawani, Gita; (Quantitative Psychology) 2008

Selig, James; (Quantitative Psychology) 2009 (honors)  
 Stevens, Sheridan; (Special Education) 2006  
 Suh, Hong; (Research, Evaluation, Measurement, & Statistics) 2007-2010  
 Theoharris, Rachele; (Special Education) 2007-2009  
 Wolkowitz, Amanda; (Research, Evaluation, Measurement, & Statistics) 2007-2008 (2008 winner of SOE best dissertation)

**Master's**

Folger, Allison; (Research, Evaluation, Measurement, & Statistics) 2010-11  
 Hinojos, Belinda; (Counseling Psychology) 2006  
 Moeder, Michelle; (Counseling Psychology) 2007-08  
 Nash, Brooke; (Research, Evaluation, Measurement, & Statistics) 2007  
 Wu, Yelina Ping; (Clinical Child Psychology) 2006-07

**Postdoctoral Fellows:**

Cho, Hyun-jeong, 2009-2011

**D. Honors and Awards for Teaching**

None

**KU PROFESSIONAL PERFORMANCE RECORD**

**A. Job Responsibilities**

Program Coordinator, Research, Evaluation, Measurement, and Statistics track 2010-2011  
 Director, Center for Educational Testing and Evaluation, 2009-2012  
 Interim Department Chair, Psychology and Research in Education, Fall 2009  
 Co-Director, Center for Educational Testing and Evaluation, 2008-09  
 Associate Department Chair, Psychology and Research in Education, 2008-10  
 Associate Professor, Program in Research, Evaluation, Measurement, and Statistics 2006 – present

**B. Honors and Awards for Professional Performance**

Member, Phi Beta Delta, Alpha Pi Chapter, University of Kansas, 2010-present

**RESEARCH RECORD** (\* indicates co-author was an advisee at the time the work was prepared)

**A. Research Publications and/or Creative Works**

**Books**

1.	Kingston, N.M. & Clark, A.K. (2014). Test Fraud: Statistical Detection and Methodology. New York: Routledge.
----	--

**Major Publications** (\*indicates student with whom I have collaborated)

2.	Kingston, N.M., Karvonen, M., Bechard, S., & Erickson, K. (in press). The Philosophical Underpinnings and Key Features of the Dynamic	Peer reviewed
----	---	---------------

	Learning Maps Alternate Assessment. National Society for the Study of Education Yearbook.	
3.	Kingston, N.M., Broaddus, A., & *Lao, H. (2015). Some Thoughts on “Using Learning Progressions to Design Vertical Scales that Support Coherent Inferences about Student Growth.” Measurement: Interdisciplinary Research & Perspectives, 13(3-4), 195-199.	Invited
4.	Cho, H. J., & Kingston, N. (2015). Examining teachers’ decisions on test-type assignment for statewide assessments. The Journal of Special Education, 49(1), 16-27. (Published online September 2013).	Peer reviewed
5.	Popham, W. J., Berliner, D.C., Kingston, N., Fuhrman, S.H., Ladd, S.M., Charbonneau, J. & Chatterji, M. (2014). Can today’s standardized tests yield instructionally useful data? Challenges, promises and the state of the art, Quality Assurance in Education, 22(4), 300-316.	Peer Reviewed
6.	Adjei, S., Selent, D., Heffernan, N., Pardos, Z., Broaddus, A., Kingston, N. (2014) Refining Learning Maps with Data Fitting Techniques: Searching for Better Fitting Learning Maps. In Pardos & Stamper (Eds.) The 2014 Proceedings of International Educational Data Mining Society.	Peer reviewed
7.	Cho, H. & Kingston, N.M. (2014). Understanding Test Type Assignment: Why Do Special Educators Make Unexpected Test Type Assignments? Psychology in the Schools.	Peer Reviewed
8.	Kingston, N.M. & Clark, A.K. (2014). Introduction in Neal M. Kingston and Amy K. Clark (Eds.) Test Fraud: Statistical Detection and Methodology. New York: Routledge.	Invited
9.	Clark, A.K. & Kingston, N.M. (2014). A Brief History of Research on Test Fraud Detection and Prevention in Neal M. Kingston and Amy K. Clark (Eds.) Test Fraud: Statistical Detection and Methodology. New York: Routledge.	Invited
10.	*Tiemann, G.C. & Kingston, N.M. (2014). An Exploration of Answer Changing Behavior on a Computer-Based High-Stakes Achievement Test in Neal M. Kingston and Amy K. Clark (Eds.) Test Fraud: Statistical Detection and Methodology. New York: Routledge.	Invited
11.	Ginsberg, R. & Kingston, N.M. (2014). Caught in a Vise: The Challenges Facing Teacher Preparation in an Era of Accountability. Teachers College Record Volume 116(1), 2014, p. - <a href="http://www.tcrecord.org">http://www.tcrecord.org</a> ID Number: 17295, Date Accessed: 1/14/2014 9:30:47 PM	Peer Reviewed
12.	Kingston, N.M., *Tiemann, G.C., & *Loughran, J.T. (2013). Commentary on “Construct Maps as a Foundation for Standard Setting.” Measurement: Interdisciplinary Research & Perspectives, 11, 181-184.	Invited
13.	Cho, H. & Kingston, N.M. (2013). Why IEP Teams Assign Low Performers With Mild Disabilities to the Alternate Assessment Based on Alternate Achievement Standards. Journal of Special Education, 47, 162-174.	Peer Reviewed
14.	Cho, H., Wehmeyer, M. & Kingston, N.M. (2013). Factors that Predict Elementary Educators’ Perceptions and Practice in Teaching Self-Determination. Psychology in the Schools, 50: 770-780.	Peer Reviewed
15.	Kingston, N.M. & *Anderson, G. (2013) The Efficacy of Using State Standards-Based Assessments for Predicting Student Success in	Peer Reviewed

	Community College Classes. <i>Educational Measurement: Issues and Practice</i> 32(3): 3-10.	
16.	Kingston, N.M. (2013). Educational Testing Case Studies. In James Wollack and John Fremer (Eds.), <i>Handbook of Test Security</i> . New York: Routledge.	Peer Reviewed
17.	Kingston, N.M., *Scheuring, S.T., & Kramer, L.B. (2013). Test Development Strategies. In Kurt Geisinger (Ed.) <i>APA Handbook of Testing and Assessment in Psychology</i> . Washington, DC: APA Books.	Peer Reviewed
18.	Kingston, N.M. & Kramer, L.B. (2013). High Stakes Test Construction and Test Use. In T. Little (Ed.) <i>Oxford Handbook of Quantitative Methods</i> . Oxford University Press.	Peer Reviewed
19.	*Gu, F., Little, T., & Kingston, N.M. (2013) Misestimation of Reliability Using Coefficient Alpha and Structural Equation Modeling when Assumptions of Tau-Equivalence and Uncorrelated Errors are Violated. <i>Methodology</i> , 9, 30-40. (Published online February 2012).	Peer Reviewed
20.	*Zheng, C., Erickson, A.G., Kingston, N.M. & Noonan, P. (2012). The Relationship among Self-Determination, Self-Concept, and Academic Achievement for Students with Learning Disabilities. <i>Journal of Learning Disabilities</i> , 46(2), 1-13.	Peer Reviewed
21.	Kingston, N.M. & Nash, B. (2012). How Many Formative Assessment Angels can Dance on the Head of a Meta-Analytic Pin: .2. <i>Educational Measurement: Issues and Practice</i> , 31(4): 18–19.	Peer Reviewed
22.	Cho, H.J., Lee, J, and Kingston, N.M. (2012). Examining the Effectiveness of Test Accommodation Using DIF and a Mixture IRT Model. <i>Applied Measurement in Education</i> , 25(4): 281-304.	Peer reviewed
23.	Cho, H.J. & Kingston, N.M. (2012). Why Individualized Education Program Teams Assign Low-Performing Students with Mild Disabilities to the Alternate Assessment Alternate Achievement Standards. <i>Journal of Special Education</i> . (Published online February 15, 2012).	Peer reviewed
24.	Kingston, N.M., *Tiemann, G.C., Miller, H.L., & Foster, D. (2012). An Analysis of the Discrete-Option Multiple Choice Item Type. <i>Psychological Test and Assessment Modeling</i> , 54, 3-20.	Peer reviewed
25.	Cho, H., Wehmeyer, M., & Kingston, N.M. (2012) The Impact of Social and Classroom Ecological Factors on Promoting Self-Determination in Elementary School. <i>Preventing School Failure</i> , 56, 19-28. (Published online December 15, 2011).	Peer reviewed
26.	Kingston, N.M. & *Tiemann, G.C. (2011) Setting Performance Standards on Complex Assessments: The Body of Work Method. In G.J. Cizek (Ed.) <i>Setting performance standards: Concepts, methods, and perspectives</i> , Second Edition. Mahwah, NJ: Lawrence Erlbaum.	Peer reviewed
27.	Kingston, N.M. & *Nash, B. (2011). Formative Assessment: A Meta-Analysis and a Call for Research. <i>Educational Measurement: Issues and Practice</i> , 30:4, 28–37.	Peer reviewed
28.	*Gu, F., Skorupski, W., Hoyle, L., & Kingston, N.M. (2011). Standard Errors and Confidence Intervals from Bootstrapping for Item Parameters in the Two- and Three- Parameter Logistic Ramsey Curve-IRT Models. <i>Applied Psychological Measurement</i> , 35:568–571.	Peer reviewed

29.	Cho, H. & Kingston, N.M. (2011). Capturing Implicit Policy from NCLB Test Type Assignments: Analysis of Characteristics and Performance of Students Taking Alternate Assessments Based on Modified Achievement Standards. <i>Exceptional Children</i> 78:58-72.	Peer reviewed
30.	Cho, H., Wehmeyer, M. & Kingston, N.M. (2011). Elementary Teachers' Knowledge and Use of Interventions and Barriers to Promoting Student Self-Determination. <i>Journal of Special Education</i> , 45:149-156. (Published online 2010)	Peer reviewed
31.	Bechard, S., Sheinker, J., Abell, R., Barton, K., Burling, K., Camacho, C., Cameto, R., Haertel, G., Hansen, E., Johnstone, C., Kingston, N., Murray, E., Parker, C., Redfield, D., Rodriguez, J., and Tucker, B. (2010). Measuring Cognition of Students with Disabilities Using Technology-Enabled Assessments: Recommendations for a National Research Agenda. <i>The Journal of Technology, Learning, and Assessment</i> , Vol. 10, No. 4.	Peer reviewed
32.	Kingston, N.M. (2009). Comparability of computer- and paper-administered multiple-choice tests for K-12 populations: a synthesis. <i>Applied Measurement in Education</i> 22:22-37.	Peer reviewed
33.	Kingston, N.M. (2007). Future challenges to psychometrics: Validity, Validity, Validity. In C.R. Rao and S. Sinharay (Ed.) <i>Handbook of Statistics, 26: Psychometrics</i> . Amsterdam, The Netherlands: Elsevier.	Peer Reviewed
34.	Kingston, N.M. and Ehringhaus, M. (2005). Use of technology and principles of universal design to improve the validity and fairness of licensure tests. In J.L Mouny and D.S. Martin (Ed.) <i>Assessing Deaf Adults</i> . Washington, DC: Gallaudet University Press.	Invited
35.	Kingston, N.M., Kahl, S.R., Sweeney, K.P., and Bay, L. (2001). Setting performance standards using the body of work method. In G.J. Cizek (Ed.) <i>Setting performance standards: Concepts, methods, and perspectives</i> . Mahwah, NJ: Lawrence Erlbaum, Publishers.	Peer reviewed
36.	Kingston, N.M. and Reidy, E. (1997). Kentucky's accountability and assessment systems. In J. Millman (Ed.). <i>Grading teachers, grading schools: Is student achievement a valid evaluation measure?</i> Thousand Oaks, CA: Corwin Publishers.	Invited
37.	Kingston, N.M. and Reidy, E. (1997). KIRIS meets the critics: A little light and much heat. In J. Millman (Ed.). <i>Grading teachers, grading schools: Is student achievement a valid evaluation measure?</i> Thousand Oaks, CA: Corwin Publishers.	Peer reviewed
38.	Kingston, N.M. (1993). Standard setting in compensatory versus non-compensatory licensure testing programs. <i>CLEAR Exam Review</i> 4:24-27.	Peer reviewed
39.	Kingston, N.M. and Dorans, N.J. (1985). The analysis of item-ability regressions: An exploratory IRT model fit tool. <i>Applied Psychological Measurement</i> 9:281-288.	Peer reviewed
40.	Dorans, N.J. and Kingston, N.M. (1985). The effects of violations of unidimensionality on the estimation of item and ability parameters and on item response theory equating of the GRE verbal scale. <i>Journal of Educational Measurement</i> 22:249-262.	Peer reviewed

41.	Kingston, N.M. and Dorans, N.J. (1984). Item location effects and their implications for IRT equating and adaptive testing. <i>Applied Psychological Measurement</i> 8:147-154.	Peer reviewed
-----	---	---------------

### Under Submission

42.	Atalmis, E. & Kingston, N.M. (submitted). Three, Four, and None of the Above Options in Multiple-Choice Test. <i>Applied Measurement in Education</i> .
43.	Atalmis, E. & Kingston, N.M. (submitted). The Impact of Homogeneity of Answer Choices on Item Difficulty and Discrimination. <i>Applied Measurement in Education</i> .
44.	Cho, H. J., Im, S. K., Deci, E. L., Kingston, N. M., & Lee, J. H. (submitted). Motivational regulation profile from Self-Determination Theory: The prominence of quality of motivation. <i>Journal of Educational Psychology</i> .
45.	Cho, H. J., Im, S. K., Deci, E. L., Kingston, N. M., & Lee, J. H. (submitted). Beyond Goal Achievement Orientation Theory: Another look at the quality of academic motivation. <i>Journal of Personality and Social Psychology</i> .
46.	Cho, H. J., Im, S. K., Deci, E. L., Kingston, N. M., & Lee, J. H. (submitted). The impact of social contextual factors that predict Korean students' sense of autonomy self-regulation and academic performance. <i>Journal of Personality and Social Psychology</i> .
47.	Kingston, N.M., Frank, E. & Perkins, K. (submitted). Relationship between Instructional Sensitivity and the Item Characteristics of a Kinesiology Test. <i>Applied Measurement in Education</i> .

### Minor works

\* indicates student with whom I have collaborated

48.	Kingston, N. (2016). Shifting the Paradigm of Large-Scale Achievement Assessment. In Rice, M. and Haaheim, E., eds., <i>Merrill Advanced Studies Center White Paper No. 119: Research Innovation as a Pathway to the Future</i> (page#s). Lawrence, KS: University of Kansas Merrill Advanced Studies Center.	Invited
49.	Kingston, N.M. (2014). The value of standard setting: A personal meandering. <i>NCME Newsletter</i> 22(4):7.	Invited
50.	Almond, P., Kingston, N., Michaels, H., Roeber, E., Warren, S., Winter, P., & Mark, C. (2012). <i>Technical considerations for developing assessments that include special populations and are based on organized learning models</i> . Menlo Park, CA: SRI International and Lawrence, KS: Center for Educational Testing and Evaluation.	Invited
51.	Kingston, N.M. (2012). It's 1938: A look back at the first year of NCME. <i>NCME Newsletter</i> 20(3):2-3.	Invited
52.	Kingston, N., Chin, T., Geisinger, K., and McKinley, R. (2010). <i>Final Report, Third Party Equating Verification of the NYS Grades 3-8 ELA and Mathematics Tests</i> , Buros Institute for Assessment Consultation and Outreach.	Invited
53.	Bechard, S., Sheinker, J., Abell, R., Barton, K., Blackorby, J., Burling, K., Camacho, C., Cameto, R., Haertel, G., Hansen, E., Johnstone, C., Kingston, N., Murray, E., Parker, C., Redfield, D., Rodriguez, J., and Tucker, B. (2010). <i>Measuring Cognition of Students with Disabilities Using Technology-Enabled Assessments: Recommendations for a Research</i>	Invited



	Agenda. Dover, NH: Measured Progress, and Menlo Park, CA: SRI International.	
54.	Irwin, P.M., Kingston, N.M., Skorupski, W.P., Glasnapp, D.R., & Poggio, J.P. (2009). Technical Manual for the Kansas Assessments in Science.	Invited
55.	Peyton, V., Kingston, N.M., Skorupski, W., Glasnapp, D.R., and Poggio, J.P. (2009). Kansas English Language Proficiency Assessment (KELPA) Technical Manual.	Invited
56.	Irwin, P.M., Kingston, N.M., Glasnapp, D.R., & Poggio, J.P. (2008). Technical Manual for the Kansas Assessments of Modified Measures (KAMM) and Kansas Alternate Assessments (KAA) in Science.	Invited
57.	*Tiemann, G.C. and Kingston, N.M. (2010). Non-Directional hypothesis testing. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
58.	Kingston, N.M. (2010). Sequential Tests of Statistical Hypotheses (Wald) [The Annals of Mathematical Statistics, 16, 2, 117]. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
59.	Kingston, N.M. (2010). Computerized adaptive testing. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
60.	Kingston, N.M. and *Tiemann, G.C. (2010). Spearman Brown prophecy formula. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
61.	*Chen, J., Kingston, N.M., *Tiemann, G. & *Gu, F. (2010). Hypothesis. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
62.	*Gu, F. and Kingston, N.M. (2010). Scatterplot. In N. Salkind (Ed.) Encyclopedia of Research Design. Thousand Oaks, CA: Sage Publishing.	Invited
63.	Kingston, N.M. (2009). SAT. In B. Kerr (Ed.) Encyclopedia of Giftedness, Creativity, and Talent. Thousand Oaks, CA: Sage Publishing.	Invited
64.	Kingston, N.M. (2009). ACT College Admissions Test. In B. Kerr (Ed.) Encyclopedia of Giftedness, Creativity, and Talent. Thousand Oaks, CA: Sage Publishing.	Invited
65.	Kingston, N.M. (2009). Self-report instruments. In S. Lopez (Ed.) Encyclopedia of Positive Psychology. Malden, MA: Blackwell Publishing.	Invited
66.	Kingston, N.M. (2008). Standardized tests. In N. Salkind (Ed.) Encyclopedia of Educational Psychology. Thousand Oaks, CA: Sage Publishing.	Peer reviewed
67.	Kingston, N.M. (2008). Norm-Referenced tests. In N. Salkind (Ed.) Encyclopedia of Educational Psychology. Thousand Oaks, CA: Sage Publishing.	Peer reviewed
68.	Dings, J., Childs, R., and Kingston, N.M. (2002). Effects of matrix sampling on student score comparability in constructed response and multiple-choice assessments. Washington, DC: Council of Chief State School Officers.	Peer reviewed

69.	Dings, J., Gong, B., & Kingston, N. (1995) KIRIS Accountability Cycle I Technical Manual. Frankfort, KY: Kentucky State Department of Education.	Peer reviewed
70.	Kingston, N.M., Leary, L., and Wightman, L. (1988). An exploratory study of the applicability of item response theory methods to the Graduate Management Admissions Test. Los Angeles: Graduate Management Admissions Council.	Peer reviewed
71.	Schaeffer, G.A. and Kingston, N.M. (1988). Strength of the analytical factor of the GRE General Test in several subgroups: a full-information factor analysis approach. RR 88-5. Princeton, N.J.: Educational Testing Service.	Peer reviewed
72.	McKinley, R.L. and Kingston, N.M. (1987). Exploring the use of IRT equating for the GRE Subject Test in Mathematics. RR 87-21. Princeton, N.J.: Educational Testing Service.	Peer reviewed
73.	Kingston, N.M. (1986). Assessing the dimensionality of the GMAT Verbal and Quantitative Measures using full-information factor analysis. RR 86-13. Princeton, N.J.: Educational Testing Service.	Peer reviewed
74.	Kingston, N.M. and Holland, P.W. (1986). Alternative methods of equating the GRE General Test. GRE Board Professional Report 81-16P. Princeton, N.J.: Educational Testing Service.	Peer reviewed
75.	Kingston, N.M., Leary, L.F., and Wightman, L.E. (1985). An exploratory study of the applicability of item response theory methods to the Graduate Management Admission Test. RR 85-34. Princeton, N.J.: Educational Testing Service.	Peer reviewed
76.	Kingston, N.M. and Turner, N.J. (1984). Analysis of score change patterns of examinees repeating the Graduate Record Examinations General Test. GRE Board Professional Report 83-5P. Princeton, N.J.: Educational Testing Service.	Peer reviewed
77.	Kingston, N.M. (1984). Reanalysis of the psychometric characteristics of the GRE General Test. Unpublished manuscript. Princeton, N.J.: Educational Testing Service.	Peer reviewed
78.	Kingston, N.M. (1983). Choosing a procedure for selecting a subset of variables that maximizes criterion-related cross-validity. Unpublished doctoral dissertation.	Peer reviewed
79.	Kingston, N.M. and Dorans, N.J. (1982). The feasibility of using item response theory as a psychometric model for the GRE Aptitude Test. GRE Board Professional Report 79-12P. Princeton, N.J.: Educational Testing Service.	Peer reviewed
80.	Kingston, N.M. and Dorans, N.J. (1982). The effect of the position of an item within a test on item responding behavior: an analysis based on item response theory. GRE Board Professional Report 79-12bP. Princeton, N.J.: Educational Testing Service.	Peer reviewed
81.	Kingston, N.M. and Livingston, S.A. (1981). Effectiveness of the Graduate Record Examinations for predicting first year grades: 1979-80 summary report of the Graduate Record Examinations Validity Study Service. Princeton, N.J.: Educational Testing Service.	

## B. Scholarly Presentations

### Major Presentations

\* indicates student with whom I have collaborated

82. Kingston, N.M. (October 2015) Stay Found: How Maps can Improve Outcomes in Education. Presentation at KU Elevate, Overland Park, KS.
83. Kingston, N.M., Broaddus, A., & Gaylor, C. (August 2015). Shifting the Paradigm of Achievement Assessment or Help!; I'm Lost; Does Anyone Have a Map? Paper presented at the 2015 CRESST Conference, Redondo Beach, CA.
84. Clark, A., Karvonen, M., Kingston, N.M., & \*Anderson, G. (April 2015). Designing Alternate Assessment Score Reports that Maximize Instructional Impact. Paper presented at the annual meeting of the National Council for Measurement in Education, Chicago, IL.
85. Kingston, N.M. (April 2015). Standard Setting and Growth Measurement in a Learning Maps Environment. Presented as part of the symposium, Psychometrics in a Learning Maps Environment, at the annual meeting of the National Council for Measurement in Education, Chicago, IL.
86. Popham, J., Kingston, N.M., Fremer, J., & Way, D. (April 2015). The importance of instructional sensitivity: A colloquy Among Combatants. Debate at the annual meeting of the National Council for Measurement in Education, Chicago, IL.
87. \*Loughran, J. & Kingston, N.M. (April 2015). DIF Detection and Prediction with Different Focal Group Designations. Paper presented at the annual meeting of the National Council for Measurement in Education, Chicago, IL.
88. Wells-Moreaux, S., Karvonen, M., & Kingston, N.M. (April 2015). Accessibility by Design: Improving Alternate Assessments for Students with Significant Cognitive Disabilities. Paper presented at the annual meeting of the Council for Exceptional Children, San Diego, CA.
89. Kingston, N.M. & Broaddus, A. (March 2015). Learning Maps as the Basis for Educational Assessment. Paper presented at the annual meeting of the Association of Test Publishers, Rancho Mirage, CA.
90. Kingston, N.M. (March 2015). Security at the Forefront. Invited Speaker at the annual meeting of the Association of Test Publishers, Rancho Mirage, CA.
91. Kingston, N.M. (January 2015). The Dynamic Learning Maps Alternate Assessment System. Paper presented at the annual meeting of the National Association of Private Special Education Centers, New Orleans, LA.
92. \*Tiemann, G.C., Miller, H., Kingston, N.M., & Foster, D. (October 2014). Protecting Item Content via the Discrete-Option Multiple-Choice Item Type. Paper presented at the annual meeting of the Conference on Test Security, Iowa City, IA.
93. Kingston, N.M.; Clark, A.K., Pardos, Z; Lee, S.Y. (April 2014). Determining a reasonable starting place for an instructionally embedded dynamic assessment: Heuristic versus Bayesian Network Analysis. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
94. Clark, A. K. & Kingston, N. M. (April 2014). Comparison of attribute coding procedures for retrofitting cognitive diagnostic models. Poster presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
95. Zhao, F. & Kingston, N.M. (April 2014). Cognitive Diagnostic Model Comparisons Using Empirical Data. Paper presented at the annual meeting of the National Council for Measurement in Education, Philadelphia, PA.

96. Wang, W. & Kingston, N.M., Michael F. Hock; Gail C. Tiemann; Marcia H. Davis; Stephen M. Tonks (April 2014). Application of the Hierarchical Item Response Model to a Computer Adaptive Test of Graded Response Data. Paper presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.
97. Chen, J., Kingston, N., Wang, X., Richards, C., & Meisner, R. (April, 2014). Features of essay responses associated with the accuracy of human scoring. Paper presented at the 76th Annual Meeting of National Council on Measurement in Education, Philadelphia, PA.
98. Chen, J. & Kingston, N.M. (November 2013). A Comparison of Empirical and Judgmental Approaches for Detecting Instructionally Sensitive Items. Paper presented at the Conference on Instructional Sensitivity, Lawrence, KS.
99. Longabach, T., Chen, J. & Kingston, N.M. (November 2013). Relationship between test item cognitive complexity, content, and instructional sensitivity. Paper presented at the Conference on Instructional Sensitivity, Lawrence, KS.
100. Kingston, N.M. (October 2013). Development of an Assessment for Students with Significant Cognitive Disabilities Based on a Very Large, Fine Grained Learning Map. Paper presented at the 2013 meeting of the International Association for Educational Assessment, Tel Aviv, Israel.
101. \*Tiemann, G.C. & Kingston, N.M. (2013). Answer changing and response time on computer-based high stakes achievement tests. Poster presented at the 2013 Conference on the Statistical Detection of Potential Test Fraud, Madison, WI.
102. Kingston, N.M. & Nitsch, C. (2013) How in the world can an alternate assessment meet the needs of students and parents? Invited presentation at the 2013 Arc National Convention, Seattle, WA.
103. Kingston, N.M. (2013). Learning Models and Learning Analytics. Presented as part of the symposium, "It's not just for online shopping: Using analytics for improved learning and achievement. Invited presentation at the 2013 OSEP Project Directors Meeting.
104. Davis, M.H., Tonks, S.M., Hock, M.F., Kingston, N.M., \*Tiemann, G.C. & Wang, W. Measurement of Adolescent Reading Motivation. Poster presented at the 2013 meeting of the American Educational Research Association, San Francisco, CA.
105. Davis, M.H., Tonks, S.M., Hock, M.F., Kingston, N.M., \*Tiemann, G.C. & Wang, W. Measuring Social Reading Motivation in Adolescents. (2013). Paper presented at the 2013 meeting of the American Educational Research Association, San Francisco, CA.
106. Kingston, N.M. (2013). The Alternate Assessment Consortia for Students with Significant Cognitive Disabilities: Progress to Date - PART 2. Paper presented at the 2013 meeting of the Council for Exceptional Children, San Antonio, TX.
107. \*Wang, W. and Kingston, N.M. (2012). Are all item response functions monotonically increasing? Poster presented at the 2012 meeting of the American Psychological Association, Orlando, FL.
108. Kingston, N.M. and \*Tiemann, G.C. (2012). An Exploration of Answer-Changing on a Computer-based High-Stakes Achievement Test: Item View. Paper presented at the Joint Statistical Meeting, San Diego, CA.
109. \*Tiemann, G.C. and Kingston, N.M. (2012). An Exploration of Answer-Changing on a Computer-based High-Stakes Achievement Test. Paper presented at the Conference on the statistical detection of potential test fraud, Lawrence, KS.
110. \*Anderson, G. and Kingston, NM. (2012). Providing Useful Information to Guide Student Learning: A Review of State Level Individual Student Reports. Paper

- presented at the 2012 Annual Convention of the National Council on Measurement in Education (NCME), Vancouver, Canada.
111. \*Chen, J., Kingston, N.M. (2012). A Comparison of Mantel-Haenszel Tests and Logistic Regression for Detecting Instructionally Sensitive Items. Poster presented at the 2012 Annual Convention of the National Council on Measurement in Education (NCME), Vancouver, Canada.
  112. \*Zhao, F., \*Wang, W., & Kingston, N. M. (2012). On the Use of Nonparametric IRT Techniques for Checking 3PL IRT Model Fit. Paper presented at the 2012 Annual Convention of the National Council on Measurement in Education (NCME), Vancouver, Canada.
  113. \*Zheng, C., Erickson, A. G., Kingston, N., & Noonan, P. (April 2012). Can Self-Determination Predict Academic Achievement for Students with Disabilities? Paper presented at American Educational Research Association, Vancouver, Canada.
  114. \*Zheng, C., Erickson, A. G., Kingston, N., & Noonan, P. ( April 2012). Psychometric Analysis of the Arc's Self-Determination Scale for Students with Disabilities. Paper presented at National Council on Measurement in Education, Vancouver, Canada.
  115. Cho, H. & Kingston, N.M. (April 2012). Understanding Alternate Assessment Misassignment and How to Prevent It. Paper presented at the annual meeting of the Council for Exceptional Children, Denver, CO.
  116. Cho, H. J., & Kingston, N. (April, 2012). Examining the effectiveness of test accommodation using DIF and a mixture IRT Model. Paper presented to annual meeting of the American Education Research Association: Vancouver, Canada.
  117. Templin, J., Kingston, N.M., & \*Wang, W. (October 2011). Psychometric Issues in Formative Assessment: Measuring Student Learning Throughout the Academic Year Using Interim Assessments. Paper presented at the Maryland Assessment Conference, College Park, MD.
  118. Kingston, N.M., \*Wang, W., \*Broaddus, A., & Kramer, L. (August 2011). Kansas Interim Assessment Validity Evidence Based on the Relationship between Interim and Summative Assessment Scores. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
  119. \*Broadus, A., Kingston, N.M., & Kramer, L. (August 2011). Validity Evidence Based on the Consequences of Interim Assessments. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
  120. Kramer, L. Kingston, N.M., & \*Broadus, A., (August 2011) Validity Evidence Based on Interim Assessment Content. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
  121. \*Wang, W., McKinley, R., Kingston, N.M., & \*Broaddus, A. (August 2011). Validity Evidence Based on the Internal Structure of an Interim Assessment. Paper presented at the annual meeting of the American Psychological Association, Washington, DC.
  122. Kingston, N.M. (August 2011). Alignment of Common Core Standards and Alternate Assessments for Students with the Most Significant Cognitive Disabilities. Office of Special Education Programs Leadership Mega Conference, Alexandria, VA.
  123. Kingston, N.M. (June 2011). Preparing ALL Students for life, work, and citizenship: The next generation of alternate assessments. Office of Special Education Programs Project Directors' Conference, Washington, DC.
  124. Kingston, N.M. (June 2011). Preparing ALL Students for life, work, and citizenship: The next generation of alternate assessments. National Conference on Student Assessment, Orlando, FL.

125. Cho, H.J. & Kingston, N.M. (April 2011). Capturing Implicit Policy from NCLB Test Type Assignments. Annual meeting of the Council for Exceptional Children. Washington, DC.
126. \*Zhao, F. & Kingston, N.M. (April 2011). The Effects of Phonological Awareness on Bilingual/ESL Students' Early Literacy Development. Annual meeting of the American Educational Research Association, New Orleans, LA.
127. \*Anderson, G. & Kingston, N.M. (April 2011). The Efficacy of Using State Standards-Based Assessments for Predicting Student Success in Community College Classes. Annual meeting of the National Council on Measurement in Education, New Orleans, LA.
128. \*Kim, M. & Kingston, N.M. (April 2011). The Efficacy of Curriculum-based measurement: A Meta-Analysis. Annual meeting of the American Educational Research Association, New Orleans, LA.
129. \*Chiu, P., Irwin, P., & Kingston, N.M. (May 2010). How Much Time does a Test-Taker Take if a Test-Taker does Take Time? National Council on Measurement in Education, Denver, CO.
130. Wolkowitz, A. Templin, J. & Kingston, N.M. (May 2010). An Analysis of the Time and Day of the Week that Students Perform Best on Assessments. National Council on Measurement in Education, Denver, CO.
131. \*Gu, F. Little, T., Kingston, N.M. (May 2010) Coefficient Alpha and Structural Equation Modeling Based Reliability Estimates under the Violation of Essential Tau-Equivalence and Uncorrelated Errors: A Simulation Study. American Educational Research Association, Denver, CO.
132. Kingston, N.M., Foster, D., Miller, H.L., & \*Tiemann, G. (February 2010). Building a Better Mousetrap: Using Discrete Options to Improve the Multiple-Choice Question. Association of Test Publishers.
133. Kingston, N.M. (June 2009). Large-Scale Formative Assessment: Panacea, Transitional Tool, or Oxymoron. 39th annual National Conference on Student Assessment, Los Angeles, CA.
134. Kingston, N.M. and \*Nash, B. (April 2009). The Efficacy of Formative Assessment: A Meta-Analysis. American Educational Research Association, San Diego, CA.
135. Kingston, N.M. and \*Zhao, F. (April 2009). What Have We Learned about the Structure of Learning from 30 Years of Research on Integrated Cognitive-Psychometric Models? Not Much. National Council on Measurement in Education, San Diego, CA.
136. Kingston, N.M. (April 2007). Comparability of Computer- and Paper-Administered Multiple-Choice Tests for K-12 Populations: A Synthesis of 89 Studies. National Council on Measurement in Education, Chicago, IL.
137. Kingston, N.M. (2005). Hot topics in testing. CASMA-ACT Invitational Conference, Iowa City, IA.
138. Kingston, N.M. (2004). Alternative approaches to the implementation of computerized statewide accountability testing systems. 34th annual Large-Scale Assessment Conference of the Chief Council of State School Officers, Boston, MA.
139. Kingston, N.M. (2003). K-12 computer-based testing: is there a place for data in the implementation decision-making process? 33rd annual Large-Scale Assessment Conference of the Council of Chief State School Officers, San Antonio, TX.
140. Kingston, N.M. and Ehringhaus, M. (2002). The future of universal design (or since it is already tomorrow why can't we use yesterday's technology yet?). Gallaudet

- Research Institute Conference – High Stakes Testing: Are Deaf and Hard of Hearing Students Being Left Behind? Washington, DC.
141. Kingston, N.M. (2002). Item review 101: reviewing items and tests from multiple perspectives. 32nd annual Large-Scale Assessment Conference of the Council of Chief State School Officers, Palm Desert, CA.
  142. Kingston, N.M. (2002). Comparability of scores from computer- and paper-based administrations for students in grades K-12. 32nd annual Large-Scale Assessment Conference of the Council of Chief State School Officers, Palm Desert, CA.
  143. Kingston, N.M. (2002). Georgia CRCT: The largest, most comprehensive K-12 web-based testing system goes operational. 32nd annual Large-Scale Assessment Conference of the Council of Chief State School Officers, Palm Desert, CA.
  144. Dings, J., Childs, R., and Kingston, N.M. (2002). Effects of matrix sampling on student score comparability in constructed response and multiple-choice assessments. National Council for Measurement in Education, Seattle, WA.
  145. Kingston, N.M. (2001). Evaluating the validity and defensibility of the body of work standard setting procedure. 31st annual Large-Scale Assessment Conference of the Council of Chief State School Officers, Houston, TX.
  146. Kingston, N.M. (2001). Implications of matrix sampling for state testing programs. 31st annual Large-Scale Assessment Conference of the Council of Chief State School Officers, Houston, TX.
  147. Kingston, N.M., (2000). Dodging bullets: minimizing the probability of analysis and reporting problems. 30th annual Large-Scale Assessment Conference, Snowbird, UT.
  148. Kingston, N.M., (2000). Combining multiple sources of information in the setting of performance standards. 30th annual Large-Scale Assessment Conference, Snowbird, UT.
  149. Kingston, N.M. (2000). Accountability through school report cards: efforts of several states. 30th annual Large-Scale Assessment conference, Snowbird, UT.
  150. Kingston, N.M., (2000). Body of work standard setting method: Massachusetts Comprehensive Assessment System. National Council on Measurement in Education Annual Meeting, New Orleans, LA.
  151. Sweeney, K., Kahl, S.R., Kingston, N.M., Bay, L. (2000) Classroom Teacher Judgment and Body of Work Method: Wyoming Comprehensive Assessment System (WyCAS). Annual meeting of the American Research Association, New Orleans, LA.
  152. Kingston, N.M. and Nellhaus, J. (1999). Standard-setting for the Massachusetts Comprehensive Assessment System: the body of work method. 29th annual Large-Scale Assessment conference, Snowbird, UT.
  153. Kingston, N.M. (1998). Development of a prototype of a computerized accommodations version of a standards-based assessment. 28th annual Large-Scale Assessment Conference, Colorado Springs, CO.
  154. Kingston, N.M. (1998). Assessing adequate yearly progress in a standards-based comprehensive testing environment: holy grail or holy terror. 28th annual Large-Scale Assessment Conference, Colorado Springs, CO.
  155. Kingston, N.M. (1997). Scoring student responses through imaging: Evidence that new technology will solve a major concern of performance assessment. 27th annual Large-Scale Assessment Conference, Colorado Springs, CO.
  156. Kingston, N.M. (1996). Responding to criticisms of performance assessment. Council of Chief State School Officers 26th annual Large-Scale Assessment Conference, Phoenix, AZ.

157. Dings, J. and Kingston, N.M. (1996). Effects of students and tasks on gain scores used in complex school accountability decisions. National Council for Measurement and Evaluation, New York, NY.
158. Kingston, N.M. and Dings, J. (1995). Estimating the accuracy of complex school accountability decisions. Symposium: Performance assessment: the rhetoric meets the reality (and they are both doing quite fine, thank you). National Council for Measurement and Evaluation, San Francisco, CA.
159. Kehoe, J.F., Kingston, N.M., and McCormick, D.J. (1993). Practical considerations for low-cost computerized testing. Symposium: Computer and multimedia testing for new skills and abilities: Practical issues. Society for Industrial and Organizational Psychology, San Francisco, CA.
160. Kingston, N.M. (1993). Increasing opportunity via technology-based testing. Symposium: Assessment, diversity, and America 2000. American Counseling Society, Atlanta, GA.
161. Kingston, N.M. (1989). An investigation of two types of selection effects on validity coefficients. Symposium: Alternative approaches to problems involved in the validation of higher education admission tests. National Council on Measurement in Education, San Francisco, CA.
162. Kingston, N.M., Schneider, L.M., and Briel, J.B. (1988). Overcoming statistical difficulties in comparing the predictive accuracy of the GRE General Test and undergraduate grades for subgroups based on gender and ethnicity. Symposium: Solving perennial methodological problems in validity research. American Psychological Association, Atlanta, GA.
163. Kingston, N.M. (1988). Using an English language graduate admissions test for non-native speakers of English: perils and pitfalls. National Association for Foreign Student Affairs, Washington, DC.
164. Kingston, N.M. (1988). Use of GRE scores and the undergraduate grade-point average to predict graduate school success. American Association of Collegiate Registrars and Admissions Officers, Nashville, TN.
165. Kingston, N.M. and McKinley, R.L. (1988). Assessing the structure of the GRE General Test using confirmatory multidimensional item response theory. Symposium: Item response theory meets multidimensional tests. American Educational Research Association, New Orleans, LA.
166. McKinley, R.L. and Kingston, N.M. (1988). Confirmatory analysis of test structure using multidimensional IRT. National Council on Measurement in Education, New Orleans, LA.
167. Kingston, N.M. and Stocking, M.L. (1986). Psychometric issues for IRT-based test construction. Symposium: Item response theory based test development. American Psychological Association, Washington, DC.
168. Kingston, N.M., Durso, R.V., and Schneider, L.M. (1986). The Graduate Record Examinations Validity Study Service: yesterday and tomorrow. Symposium: Designing a validity research service. National Council on Measurement in Education, San Francisco, CA.
169. Kingston, N.M. (1985). Comparison of bias and root mean squared error for four variants of IRT true score equating. Fourth European Meeting of the Psychometric Society, Cambridge, England.



170. Kingston, N.M. (1985). Assessing guessing behavior using the three-parameter logistic model. Symposium: Dynamics of guessing behavior: methodological approaches. National Council on Measurement in Education, Chicago, IL.
171. Kingston, N.M. (1985). The incremental validity of the GRE analytical measure for various department types. Symposium: The GRE Analytical Test: New measure for graduate school decision making. American Educational Research Association, Chicago, IL.
172. Kingston, N.M. (1984). Analysis of shifts in scale and construct through the use of repeater data. American Educational Research Association, New Orleans, LA.
173. Kingston, N.M. and Dorans, N.J. (1983). Assessing local independence for IRT: factor analysis of item intercorrelations after partialing out estimated theta. Psychometric Society, Los Angeles, CA.
174. Kingston, N.M. and Dorans, N.J. (1982). Equating of GRE Aptitude Test scores using item response theory: the effect of multidimensionality. Symposium: Recent developments in equating at ETS. American Psychological Association, Washington, DC.
175. Dorans, N.J. and Kingston, N.M. (1982). Implications of item pool fungibility for innovative testing modes and equating methods. Symposium: Topics in item response theory. Psychometric Society, Montreal.
176. Kingston, N.M., Livingston, S.A., and Turner, N.J. (1982). Predicting success in graduate school: 189 validity studies. Symposium: Interpreting data through eternally smudged glasses: the continuing saga of graduate and professional school validation research. American Educational Research Association, New York, NY.
177. Dorans, N.J. and Kingston, N.M. (1981). Assessing the local independence assumption of item response theory in GRE item types and populations. Psychometric Society, Chapel Hill, NC.
178. Kingston, N.M. and Dorans, N.J. (1981). The effect of the position of an item within a test on item responding behavior: an analysis based on item response theory. Symposium: Practice effects: problems and solutions. National Council on Measurement in Education, Los Angeles, CA.
179. Kingston, N.M. and Dorans, N.J. (1981). Would it be advantageous to use the three-parameter logistic model as a psychometric base for the GRE Aptitude Test? Symposium: Assessing the feasibility of using item response theory for operational testing programs. American Educational Research Association, Los Angeles, CA.
180. Kingston, N.M. and White, E.B. (1980). Item response theory statistics, classical test and item statistics: what does it all mean when you sit down to construct a test? American Educational Research Association, Boston, MA.

### **Selected Minor Presentations**

181. Kingston, N.M. (2013) Tools for Efficiently Enhancing the Validity of Inferences Based on Test Scores: Learning Maps and Technology Enhanced Item Editors. Educational Testing Service, Princeton, NJ.
182. \*Beals-Erickson, S. & Kingston, N.M. Original and Adapted Dialectical Behavior Therapy for Adults versus Adolescents: A Meta-Analysis. (2012). Paper presented at the 2012 meeting of the National Conference on Clinical Child and Adolescent Psychology, Lawrence, KS.

183. Kingston, N.M. (2009). Formative, Schmormative or I just want to help my students learn (and maybe do better on those darn state tests). Kansas Fall Assessment Conference.

184. Kingston, N.M. (2009). The Role of a Shared Item Bank in the Re-invention of the Modified Assessment in Kansas. Kansas Fall Assessment Conference.

185. Kingston, N.M. (2009). Interim assessment as an integral part of a state assessment program. Kansas Fall Assessment Conference.

186. Kingston, N.M. (2008). The Anatomy of a Scoring: A Forensic Analysis of the Grading of an Open-Ended Test Item. King Fahd University of Petroleum and Minerals, Dharhan, Saudi Arabia.

187. Kingston, N.M. (2008). Advances in Formative Assessment: A Brief Background. 38th annual National Conference on Student Assessment, Orlando, FL

188. Kingston, N.M. (2008). Considerations for the Development and Use of Open-Ended Test Items, King Fahd University of Petroleum and Minerals, Dharhan, Saudi Arabia.

**C. Grants and/or other Funded Projects**

**External Funding**

**1. Funded Proposals** (61 grants valued at \$112.7 million as PI or Co-PI from 2009 to present)

1.	Perie, M., Kingston, N.M. and Karvonen, M. (Co-PI). Alaska Measures Progress Science and Science Alternate Assessments, Alaska Department of Education (2015-2016, \$1,181,802)	Sole Source
2.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment for New York State. New York State. (2015-2020, \$13,120,000).	Competitive
3.	Kingston, N.M. (P.I.) and Broaddus, A. Use of Learning Maps as an Organizing Structure for Formative Assessment. United States Department of Education (Enhanced Assessment Grant Program) (2015-2019, \$5,677,983).	Competitive
4.	Kingston N.M. (P.I.) and Karvonen, M. Design and Development of a Dynamic Learning Maps Assessment-Social Studies, Oklahoma State Department of Education (2015-2016, \$1,548,534)	Sole Source
5.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment. Utah Office of State Education. (2015-2020, \$2,707,036).	Sole Source
6.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment. Colorado Department of Education. (2015, \$102,760).	Sole Source
7.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment. West Virginia Department of Education. (2015-2016, \$224,328).	Sole Source
8.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment. New Jersey Department of Education. (2015, \$206,620).	Sole Source

9.	Kingston N.M. (P.I.) and Karvonen, M. Dynamic Learning Maps Alternate Assessment. Illinois State Board of Education. (2015, \$239,240).	Competitive
10.	Kingston, N.M. (PI). Implementation of a Dynamic Learning Maps Alternate Assessment, State of Mississippi (2014-2015, \$73,200)	Sole Source Sole Source
11.	Kingston, N.M. (PI). Implementation of a Dynamic Learning Maps Alternate Assessment, State of Vermont (2014-2015, \$8,000)	Sole Source
12.	Kingston, N.M. (PI). Implementation of a Dynamic Learning Maps Alternate Assessment, Choctaw Tribal Schools (2014-2015, \$2,917)	Invitational and Competitive
13.	Kingston, N.M. (PI). Implementation of a Dynamic Learning Maps Alternate Assessment Miccosukee Tribal Schools (2014-2015, \$2,293)	Competitive
14.	Kingston, N.M. (PI). Development of a learning map prototype complete with enhanced learning progressions and visualizations. Gates Foundation (2014-15, \$212,022)	Sole Source
15.	Perie, M. and Kingston, N.M. (Co-PI). Alaska English Language Arts and Mathematics Assessments, State of Alaska (2014-2020, \$25,000,000)	Sole Source
16.	Kingston, N.M. (PI) and Perie, M. Psychometric services for Arizona Department of Education, Arizona Department of Education (2014-15, \$107,190)	Sole Source
17.	Perie, M. and Kingston, N.M. (Co-PI). Kansas Assessment Program 2014-15, Kansas State Department of Education (2014-2015, \$5,500,000)	Sole Source
18.	Perie, M. and Kingston, N.M. (Co-PI). Kansas Assessment Program Special Education 2014-15, Kansas State Department of Education (2014-2015, \$2,000,000)	Sole Source
19.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Virginia Department of Education (2014-2015, \$20,000)	Sole Source
20.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Alaska Department of Education (2014-2015, \$15,460)	Sole Source
21.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, State of New Hampshire (2014-2015, \$16,667)	Sole Source
22.	Perie, M. and Kingston, N.M. (Co-PI). Dynamic Learning Maps – Science, Kansas State Department of Education (2014-2015, \$500,000)	Sole Source
23.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, North Dakota Department of Public Instruction (2014-2015, \$11,840)	Sole Source
24.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, State of Wisconsin (2014-2015, \$152,920)	Sole Source

25.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment System, Lancaster, PA (2014-2015, \$30,000)	Sole Source
26.	Perie, M. and Kingston, N.M. (Co-PI). Design and Development of a Dynamic Learning Maps Assessment, Kansas State Department of Education (2014-2015, \$250,000)	Sole Source
27.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, State of Iowa (2014-2015, \$547,040)	Sole Source
28.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Assessment-Science, Oklahoma State Department of Education (2014-2015, \$610,000)	Sole Source
29.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Assessment, Oklahoma State Department of Education (2014-2015, \$200,000)	Sole Source
30.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, State of Missouri (2014-2015, \$687,250)	Sole Source
31.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Assessment, Colorado Department of Education (2014-2015, \$20,000)	Sole Source
32.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Illinois State Board of Education (2013-2018, \$50,000)	Sole Source
33.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, North Dakota Department of Public Instruction (2013-2015, \$48,333)	Soul Source
34.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Alaska Department of Education (2013-2015, \$45,000)	Sole Source
35.	Kingston, N.M. (PI) and Perie, M. Kansas Assessment Program 2013-14, Kansas State Department of Education (2013-2014, \$4,620,000).	Sole Source
36.	Kingston, N.M. (PI). Design and Development of a Dynamic Learnings Maps Alternate Assessment, Colorado Department of Education (2013-2014, \$16,668)	Sole Source
37.	Kingston, N.M. (PI). cPass, Mississippi Department of Education (2013-2014, \$42,000)	Sole Source
38.	Perie, Marianne (PI), Kingston, N.M. (Co-PI). Teacher Leadership, Kansas State Department of Education (2013-2014, \$47,835)	Sole Source Sole Source
39.	Perie, Marianne (PI), Kingston, N.M. (Co-PI). Career Competency Qualification, Kansas Department of Education (2013, \$125,000)	Sole Source
40.	Kingston, N.M. (PI). Colorado Performance Tasks, Colorado Department of Higher Education (2013, \$56,695)	Sole Source
		Sole Source

41.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Vermont Department of Education (2012-2014, \$34,000)	Sole Source
42.	Kingston, N.M. (PI). Kansas Assessment Program 2012-13 TAC, Kansas State Department of Education (2012-2013, \$70,000)	Sole Source
43.	Kingston, N.M. (PI). Kansas Assessment Program 2012-13 Kansas State Department of Education (2012-2013, \$90,000)	Sole Source
44.	Kingston, N.M. (PI). Kansas Assessment Program, Kansas State Department of Education (2012-2013, \$4,500,000)	Sole Source
45.	Kingston, N.M. (PI). cPass, Colorado Department of Education. (2012-2014, \$300,000)	Sole Source
46.	Kingston, N.M. (PI). cPass, Mississippi Department of Education. (2012-2013, \$42,000)	Sole Source
47.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, Virginia Department of Education (2012-2013, \$51,310)	Sole Source
48.	Kingston, N.M. (PI). Kansas Assessment Program, Kansas State Department of Education (2011-2013, \$4,325,829)	Competitive
49.	Kingston, N.M. (PI). Kansas Career and Technical Education Assessment System. Kansas State Department of Education (2011-2014, \$987,460)	Competitive
50.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment, State of Washington Office of Superintendent (2011-2014, \$75,000)	Competitive
51.	Hock, M., Kingston, N.M. (Co-PI), Davis, M., Tonks, S. & Brasseur, I., Development and Validation of Online Adaptive Reading Motivation Measures, Re-submitted 2010 IES, (Co-PI) (2011-14, \$1,738,808)	Sole Source
52.	Kingston, N.M. (PI). Design and Development of a Dynamic Learning Maps Alternate Assessment. Submitted July 2010 OSEP, (2010-2015, \$24,875,111 requested) Funded for \$25,026,112	Sole Source
53.	Embretsen, S., Walker, B., Poggio, J., Kingston, N.M. (Co-PI), & Meyen, E. An Adaptive Testing System for Diagnosing Sources of Mathematics Difficulties. Submitted 2010 IES, (2010-2013, \$1,854,393)	Sole Source
54.	Kingston, N.M. (PI). Kansas Reading and Mathematics Assessments, FY 2010-11 (General and KAMM Assessments). Submitted 2010 Kansas State Department of Education, (2010-2012 \$2,270,992)	Sole Source
55.	Kingston, N.M. (PI). Kansas Reading and Mathematics Assessments, FY 2010-11 (Alternate Assessment, KELPA, and Special Projects) Submitted 2010 Kansas State Department of Education. (2010-2012, \$1,358,000)	Sole source
56.	Kingston, N.M. (PI). Alternate Assessment Design Reading Project. Submitted 2010 Kansas State Department of Education (2010-2011, EAG pass-through, \$127,200)	Sole Source

57.	Kingston, N.M. (PI). Kansas Focal Point Assessments. Kansas State Department of Education (2010-11, \$54,364)	
58.	Kingston, N.M. (PI). GMAT Technical Manual Development. Submitted 2009 Graduate Management Admissions Council. (2010, \$23,661)	Sole Source
59.	Kingston, N.M. (PI). Kansas Reading and Mathematics Assessments, FY 2009-10 (General and KAMM Assessments). Submitted 2009 Kansas State Department of Education, (2009-2011 \$2,420,000)	Competitive
60.	Kingston, N.M. (PI). Kansas Reading and Mathematics Assessments, FY 2009-10 (Alternate Assessment, KELPA, and Special Projects). Submitted 2009 Kansas State Department of Education. (2009-2011, \$1,352,500)	Competitive
61.	Kingston, N.M. (PI). Research on the Foster (DOMC) Item Type. Submitted 2009 Brigham Young University. (2009-2010, \$2,500)	Competitive
62.	Kingston, N.M. (PI) & McKinley, R. Combining multiple IRT parameter estimates, Educational Testing Service	Competitive
63.	Kingston, N.M. (PI), McKinley, R, & Schaeffer, G. Exploring the Use of IRT Equating for the GRE Subject Test in Mathematics, Graduate Record Examinations Board	Competitive
64.	Kingston, N.M. (PI). Estimating Equating Functions on Standardized Test Populations, Educational Testing Service	
65.	Kingston, N.M. (PI), Leary, L. & Wightman, L. An Exploratory Study of the Applicability of Item Response Theory to the Graduate Management Admissions Test, Graduate Management Admissions Council	
66.	Kingston, N.M. (PI). Evaluation of the Restructured Graduate Record Examinations General Test: Analysis of Score Change Patterns for Repeaters, Graduate Record Examinations Board	
67.	Kingston, N.M. (PI) and Dorans, N.J. Feasibility of using Item Response Theory as a Psychometric Basis for the Graduate Record Examinations Aptitude Test, Graduate Record Examinations Board	

## 2. Proposals under Review

68.	Templin, J.T., Bradshaw, L., and Kingston, N.M. (Senior Staff). Evolving Learning Maps: Statistical Methods to Improve Dynamic Map-Based Psychometrics. Submitted to IES August 2014 (2015-2017, \$899,883).	Competitive
69.	Huan, J., Hill, M., Kingston, N.M. (Co-PI), Davis, R., Vadlani, P. Establishing a Graduate Training Program Supporting Data Enabled Analysis and Optimization of the Food-Energy-Water Nexus. Submitted to NSF (2016-2020, \$2,971,449).	Competitive

### 3. Proposals Submitted, Not Funded

70.	Perie, M. & Kingston, N.M. (Co-PI) Development and Implementation of the Connecticut Mastery Test (CMT) and Connecticut Academic Performance Test (CAPT) in Science (2015-2020, \$3,998,063).	Competitive
71.	Kingston, N.M. (PI). METAMath: Searching with METAcognitive Awareness in Mathematics. Submitted to NSF (2015-2019, \$197,080)	Competitive
72.	Kingston, N.M. (PI, KU Subcontract to Texas Christian University) <b>METAMath</b> : Searching with <b>META</b> cognitive Awareness in <b>Mathematics</b> . Submitted to IES September 2014 (2015-2018, \$124,372).	Competitive
73.	Huan, J., Alexander, W.P., Blumenstiel, J.P., Ginther, D.K., & Kuzuczera, K. Kingston, N.M. (Senior Staff). K-DEESE: Establishing an Interdisciplinary Data Enabled Science and Engineering Training Program at the University of Kansas. Submitted to NSF July 2014 (2015-20, \$2,917,932).	Competitive
74.	Kingston, N.M. (PI), Cho, H.J. (Co-PI), and Deci, E. (Co-PI) Relationships of Self-Determination and School Engagement on Academic Performance Scores during Secondary School. Re-submitted to IES June 2012 (2012-15, \$961,719)	Competitive
75.	Kingston, N.M. (PI) and Chen, J. (Co-PI) Factors Influencing Instructional Sensitivity. Submitted September 2012 IES (2013-2015, \$669,675).	Competitive
76.	Kingston, N.M. (PI), Cho, H.J. and Walsh, T.J. (Co-PI) Capturing Expert Judgments to Help IEP Teams make Better Accountability Test. Submitted to IES September 2012 (2013-2015, \$1,253,971).	Competitive
77.	Thomas, K. (PI), Broaddus, A. (Co-PI), and Kingston, NM (Co-PI) Using Cognitive Models to Interpret Student Reasoning and Guide Mathematics Instruction: Informing Elementary Teachers' Practice with a Mathematics Learning Map. Submitted to IES September 2012 (2013-2015, \$1,485,466).	Competitive
78.	Kingston, N.M. (PI, KU Subcontract to University of Oregon) Pathways to Proficiency. Submitted to IES September 2012 (2013-2017, \$300,000).	Competitive
79.	Kingston, N.M. (PI) and Cho, H.J. Relationships of Self-Determination and School Engagement on Academic Performance Scores during Secondary School. Re-submitted June 2011 IES (2012-15, \$924,208)	Competitive
80.	Kingston, N.M. (PI) ARDMS Psychometric Services. Submitted September 2011 to ARDMS (2011-2013, \$54,962 for CETE component).	Competitive
81.	Kingston, N.M. (PI) and Cho, H.J. Relationships of Self-Determination and School Engagement on Academic Performance Scores during Secondary School. Submitted September 2010 IES (2011-14, \$573,789)	Competitive

82.	Kingston, N.M. (PI) & Skorupski, W.P. (Co-PI). Collaborative Research: Beyond Disciplines: A National Collaboration to Build Capacity for Cross-Disciplinary Concept Inventory Assessment and Research, Submitted 2011 NSF (2011-2015, \$968,187)	Competitive
83.	Hock, M., Kingston, N.M. (Co-PI), Davis, M., Tonks, S. & Brasseur, I., Development and Validation of Online Adaptive Reading Motivation Measures, Submitted 2009 IES, (Co-PI) Requested 2010-13 (\$1,496,606)	Competitive
84.	Kingston, N.M. (PI) & Skorupski, W.P. The Development, Validation, and Implementation of Integrated Psychometric-Cognitive Models to Support Better Instruction and Produce More Useful Test Scores. Submitted 2007, IES. (2008-2011, \$760,892). Not funded.	Competitive
85.	Kingston, N.M. (PI). Integrating Psychometric and Cognitive Models -A Research Synthesis. Submitted 2007, NSF. (2007-2008, \$96,994). Not funded.	Competitive
86.	Ault, M., Huffman, D., Kingston, N.M. (Co-PI), Friedman-Nimz, R., Tiemann, G., Holvoet, J., RubiStarDI: Assessment to Support Differentiated Instruction in Middle School Science, Submitted 2007, IEF. (2008-2011, \$499,274). Not funded.	

### Internal Funding

87.	Kingston, N.M. (PI). Development, Validation, and Implementation of Integrated Psychometric Curricular Models to Better Support Instruction and Produce more Useful Test Scores. Requested 2007-2009 (\$5,000)	
-----	--	--

### D. Honors and Awards for Research

*Distinguished Mentor for the Community of Interest on Career Paths: Academia or Industry,*  
AERA Division D, January 2011

## SERVICE RECORD

### A. University of Kansas Service

Activity	Role	Dates	Category
2013 Strategic Initiative Theme (SIT) Research Summit Planning Committee	Member	2013	University
Kansas University Center for Research	Trustee	2012-2016	
Research Investment Council	Member	2012-2015	
CRMDA/Assist/Assoc. Professor Search Committee	Member	2009-2010	
Judicial Board	Member	2008-2010	
Quantitative Psych. Assist. Professor Search Committee	Member	2008-2009	
Quantitative Psych. Assist. Professor Search	Member	2007-2008	



Committee Ad Hoc Advisory Committee on Student Evaluation of Faculty	Member	2006-2007	
Service Award Committee	Member	2013	School
Personnel Committee	Member	2012-2015	
Technology Committee	Member	2011-2014	
Research in Measurement, Statistics, and Evaluation Award Program	Co-chair	2009- present	
Ad Hoc Committee on Teacher Preparation	Member	2008-2009	
Graduate Studies Committee	Member	2007-2010	
School of Education Strategic Planning Committee	Member	2007-2009	
Center for Psychoeducational Services Advisory Council	Member	2006-2008	
Research, Eval., Measurement, & Statistics Track Psychology and Research in Education	Coordinator Interim Chair	2010-2011 Fall 2009	Department
Tollefson Fellowship Committee	Co-chair	2008-2012	
Psychology and Research in Education	Assoc. Chair	2008-2010	
Faculty Evaluation Committee	Member	2008	
Educ. Psych. and Res. Faculty Search Committee	Member	2006-2007	

## B. Professional Service outside the University

Activity	Role	Dates
CCSSO Students with Disabilities Assessment Advisory Task Force	Member	2013
Online Assessment Cross-Consortium Technology Collaboration Group	Member	2013-
GED Technical Advisory Committee	Member	2008-
2015 Conference on Instructional Sensitivity	Chair	2014-2015
2015 Conference on the Statistical Detection of Potential Test Fraud	Chair	2014-2015
International Association for Educational Assessment 2015 Conference Committee	Chair	2013-2015
2014 Conference on the Statistical Detection of Potential Test Fraud	Planning Com.	2013-2014
2013 Conference on Instructional Sensitivity	Co-chair	2012-2013
2013 Conference on the Statistical Detection of Potential Test Fraud	Planning Com.	2012-2013
2012 Conference on the Statistical Detection of Potential Test Fraud	Chair	2011-2012
2012 Colloquium on Organized Learning Models	Planning Com.	2012
National Council on Disability Expert Panel on Graduation Outcomes and Assessment Tools	Member	2012
Edvantia Technical Advisory Group	Member	2012
NCME 75 <sup>th</sup> Anniversary Planning Committee	Chair	2010-2013

ATP 2010 Annual Conference Program Committee	Vice Chair	2009-2010
NSF REESE Peer Review Panel	Member	2009
2009 Colloquium on Universally Designed Technology Enhanced Assessments	Planning Com.	2009
Kaplan Catalyst Technical Advisory Committee	Member	2008-2010
AERA Division D Editorial Committee	Member	2008-2009
United States Department of Education Workshop on Formative Assessment	Member	2008
United States Department of Education Workshop on Use of Portfolios in NCLB Assessment Programs	Member	2008
Utah State Office of Education Computer-Based Testing Summit	Member	2007
Joint Committee on Testing Practices	Member	2006-2007
New Hampshire State Department of Education Advisory Committee on Score Reporting	Member	2000
Career Channel Advisory Group	Member	1991
National Research Council Workshop on Confidentiality of Graduate Data	Member	1988
Defense Advisory Council on Military Personnel Testing	Member	1987-1988
NCME 1984 Conference	Co-chair	1983-1984

<b>Ad hoc Reviewer</b> (began record keeping April 2013)	<b>Dates</b>
Educational and Psychological Measurement (EPM-13-0069)	April 2013
Applied Measurement in Education (108-040-3)	April 2013