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**K.C. Holder, Ph.D.**

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**CURRENT POSITION:** Associate Professor of Teacher Education

**ACADEMIC APPOINTMENTS:**

*Northern Michigan University*  
Marquette, MI

2006-Present – School of Education Assessment Coordinator

Winter 2007 – NCATE Project Coordinator

2005-Present – Associate Professor

Courses Developed, Taught or Supervised:

ED 230: Teaching and Learning in Elementary School  
ED 500A: Educational Research  
ED 500B: Seminar in Educational Research  
ED 600: Research Project: Educational Specialist

*Eastern Oregon University*  
La Grande, OR

2004-2005 – Coordinator, Master of Science Degree Program  
Assistant Professor, Teacher Education

Courses Developed, Taught or Supervised:

ED 507: Learning and Instruction  
ED 511: Reading Research in Education  
ED 520: Learning and Development  
ED 524: Multiculturalism  
ED 525: Evaluation/Measurement  
ED 527: Classroom Management  
ED 542: Student Teaching: Mid level  
ED 542: Student Teaching: High School

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2002–2004 -- Assistant Professor and CORE Leader, Secondary Teacher Education

Courses Developed, Taught or Supervised:

ED 390: High School Learning Cycle  
ED 391: High School Curriculum/Standards  
ED 392: High School Classroom Dynamics  
ED 395: Assessment in High School  
ED 490: Middle Level Learning Cycle  
ED 491: Middle Level Curriculum/Standards  
ED 492: Middle Level Classroom Dynamics  
ED 495: Assessment in Middle School  
ED 416: Student Teaching: Mid level  
ED 416: Student Teaching: High School

*University of Alaska, Anchorage*  
Anchorage, AK

2000-2002 -- Assistant Professor, Secondary Mathematics Teacher Education

Courses Developed and Taught:

ED 627: Introduction to Educational Research  
ED 631: Advanced Educational Psychology  
ED 694F: Secondary Integrated Common Methods  
ED 694Q: Methods for teaching Middle/Secondary School Mathematics I  
ED 694R: Methods for teaching Middle/Secondary School Mathematics II  
ED 694X: Faculty-In-Residence – Intern Supervision I  
ED 694Y: Faculty-In-Residence – Intern Supervision II

*Fort Lewis College*  
Durango, CO

2000 – Visiting Instructor and TEAC Accreditation Development

### **PROFESSIONAL PRESENTATIONS – Juried:**

Anderson, D., Holder, K.C., Imdieke, S., Lubig, J., Ojibway, B., Reissner, L., Standerford, S., Szczepanski, S. (August, 2008). *Puzzling on Two Levels: Fitting the Pieces Together in Teacher Education*. Paper to be presented at the Seventh International Conference on Self-Study of Teacher Education Practices. East Sussex, England.

- Holder, K.C. & Downey, J. (March, 2008). *Incidental Becomes Visible: A Comparison of School- and Community-Based Field Experience Narratives*. Paper to be presented at the annual meeting of the American Educational Research Association. New York, NY.
- Standerford, N.S., Szczepanski, S., Anderson, D., O’Jibway, B., Holder, K.C. (2007, December). *Cycles of Comprehension: Developing Teacher Candidates’ Reading Instructional Practices*. Problems Court presented at the annual meeting of the American Reading Forum. Sanibel Island, FL.
- Holder, K.C. (2006, April). *When did “withitness” become more important than “educational psychology?” A content analysis*. Paper presented at the annual meeting of the American Educational Research Association. San Francisco, CA.
- Holder, K.C. (2005, March). *Constructing conceptual confidence: Electronic collaborative concept mapping in an Educational Assessment course*. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education. Phoenix, AZ.
- Holder, K.C. (2004, April). *Pedagogical content knowledge: Can a successful program of research exist without scientific-based research?* Paper presented at the annual meeting of the American Educational Research Association. San Diego, CA.
- Ettinger, R., Balaban, M.T., Lyons, C. & Holder, K.C. (2004, April). *Assessing the influence of curricular change: Preliminary problem-based assessments and student evaluations of Introductory Psychology*. Poster presented at the National Science Foundation (NSF-CCLI) program conference.
- Holder, K.C. (2004, March). *Email question journals, computer-based concept mapping and the development of pedagogical content knowledge*. Paper presented at the annual meeting of the Society for Information Technology & Teacher Education. Atlanta, GA.
- Holder, K.C. (2004, February). *Can technology improve student achievement? What an Inspiration®!* Paper presented at the Seventh Annual Oregon Association of Teacher Educators Conference. Portland, Oregon.
- Davenport, M.R., Dinsmore, J. & Holder, K.C. (2003, February). *Collaboration and Competencies: Three Teacher Educators Examine Student Achievement*. Presentation at the Sixth Annual Oregon Association of Teacher Educators Conference. Portland, Oregon.
- Holder, K.C. (2001, October). *What do Alaskan Mathematics teachers need? A hands-on workshop*. Presentation at the bi-annual ACTM/AST Mathematics and Science Conference. Anchorage, AK.

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- Holder, K.C. & Slattery, J. (2001, September). *Learning by doing: Mathematics classroom based practioner- research in Alaska*. Poster presented at the National Council of Teachers of Mathematics / Spencer Foundation special conference on mathematics classroom practioner-research. Albuquerque, NM.
- Jones, K. & Holder, K.C. (2001, April). *Teacher opportunities to learn: Case study of a content institute in mathematics*. Paper presented at the annual meeting of the American Educational Research Association. Seattle, WA.
- Holder, K.C. (2000, April). *Being and becoming a teacher: Meaningful information processing in undergraduate educational psychology*. Poster presented at the annual meeting of the American Educational Research Association. New Orleans, LA.
- Holder, K.C. & Saunders, G.W. (1999, April). *Portraits of learning*. Poster presented at the Graduate Research Day University of Northern Colorado.
- Holder, K.C. (1999, February). *Neo-pragmatic knowledge construction: A topology of ideas*. Poster presented at the first annual meeting of the International Institute for Qualitative Methods, Edmonton Canada.
- Holder, K.C., & Cochran, K.F. (1998, April). *It's like pulling teeth: Pedagogical content knowing and five preservice mathematics teachers*. Symposium at the annual meeting of the American Educational Research Association. San Diego, CA.
- Cochran, K.F., & Holder, K.C. (1998, April). *The pedagogical content development of preservice secondary teachers*. Symposium at the annual meeting of the American Educational Research Association, San Diego.
- Cochran, K.F., Forbes, M.L., & Holder, K.C. (1998, April). *Student generated metaphors for teaching in undergraduate educational psychology: In order to learn the force, one must learn as Luke and teach as Yoda*. Paper presented at the annual meeting of the American Educational Research Association, San Diego.
- James, L., Pentecost, T., & Holder, K.C. (1997, November). *The use of guided reading material in a cooperative learning setting*. Paper presented at the 5<sup>th</sup> Chemical Congress of North America, Cancun.
- Pentecost, T., Holder, K.C., & James, L. (1997, September). *Evaluation of student – centered learning of P-Chem*. Paper presented at the 214<sup>th</sup> ACS national meeting, Las Vegas.

**INVITED ADDRESS:**

Holder, K.C. (2007, March). *Educational Psychology: One Path Within the Landscape*. Discourses from the Academy: The Colloquium Series Sponsored by the Department of Psychology. Northern Michigan University, MI.

Holder, K.C. (2001, May). *Excellence in Education: Maintenance and Enhancement*. Address presented to the Phi Delta Kappan yearly meeting. Anchorage, AK.

**SPECIALIZED TRAINING, INVITED WORKSHOPS/INSTITUTES:**

2005 Workshop: Scientific Software International -- *Hierarchical Data Modeling with HLM 6* -- Chicago, IL

2001 Invited Workshop: NCTM/Spencer Foundation – *Practitioner-Research in the mathematics classroom*- Albuquerque, NM

1998 Invited Workshop: American Educational Research Association – Winter Training Institute: *Arts Based Approaches to Educational Research* (Invited Workshop) – Tempe, AZ

**PUBLICATIONS & PAPERS:**

Holder, K.C. (manuscript in progress). The perilous paradoxes of being a teacher-educator.

Holder, K.C. (in review). In search of common ground: Analyzing Educational Psychology textbook vocabulary.

Holder, K.C. (2006). *When did “withitness” become more important than “educational psychology?” A content analysis*. San Francisco, CA: American Educational Research Association (ERIC Document Reproduction No. ED 491707).

Holder, K.C. (2006). *Pedagogical content knowledge: Can a successful program of research exist without scientific-based research?* San Diego, CA: American Educational Research Association (ERIC Document Reproduction No. ED490409).

Holder, K. (2005). Constructing conceptual confidence? Electronic collaborative concept mapping in an Educational Assessment Course. In C. Crawford et al. (Eds.), *Proceedings of Society for*

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*Information Technology and Teacher Education International Conference 2005* (pp. 108-111). Chesapeake, VA: AACE.

Holder, K.C. (Summer, 2004). Reflections by a “Research-based Teacher Educator.” *Northwest Education*, 9(4), <http://www.nwrel.org/nwedu/09-04/holder.php>.

Holder, K.C. (2004). *Email question journals, computer-based concept mapping and the development of pedagogical content knowledge*. Proceedings of the Society for Information Technology & Teacher Education Annual Conference. Pp. 1184-1187.

Holder, K.C. (2001). “Just what I was looking for! *Contemporary authors and the changing context of education*. Provisionally accepted by Educational Leadership flagship journal for Association for Supervision, Curriculum and Development (ASCD).

Holder, K.C. (2002). *Being and becoming mathematical: Integrating Combs’s field psychology with mathematics education*. Unpublished manuscript, University of Alaska, Anchorage.

Jones, K. & Holder, K.C. (2001). *Teacher opportunities to learn: Case study of a content institute in Mathematics*. Seattle, WA: Annual meeting of the American Educational Research Association (ERIC Document Reproduction No. ED 453177).

Holder, K.C. (1996). *Neo-pragmatic knowledge construction: A topology of ideas*. Unpublished written comprehensive exam. Greeley, CO: University of Northern Colorado.

Holder, K.C. (1996). *Pedagogical content knowing –3D: a framework for educational contexts, teacher preparation and research*. Unpublished written comprehensive exam. Greeley, CO: University of Northern Colorado.

## **EVALUATION REPORTS:**

Hirst, L.A. & Holder, K.C. (2007). *Burton Glen Charter Academy Monitoring Report*. Charter Schools Office: Northern Michigan University.

Hirst, L.A. & Holder, K.C. (2007). *Walton Charter Academy Monitoring Report*. Charter Schools Office: Northern Michigan University.

Holder, K.C. (2006). *Burton Glen Academy MEAP Achievement: Baseline Study and Evaluation*. Charter Schools Office: Northern Michigan University.

## **GRANTS & FUNDED PROJECTS:**

Holder, K.C. (2006). *2006 COPS Grant Proposal*. Northern Michigan University COPS Grant Committee. Funded: \$525.

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Holder, K.C. & Davenport, M.R. (2003). *Perfect Practice Makes Teaching Practice Perfect A Proposal the Tech-Fee Committee to Construct an Educational Technology Practice Teaching Labs*. Eastern Oregon University Tech-Fee Committee. Funded: \$51,695.

Holder, K.C. (2003). *Pedagogical content knowledge: Cross-validating the research*. Eastern Oregon University Faculty Scholars. Funded: \$11,232

Holder, K.C. (2001). *Becoming a mathematics educator*. University of Alaska, Anchorage Professional Development Grant. Funded: \$3,123.

Holder, K.C. (2000). *East High School Mathematics Teachers' perceptions of Algebra A/B, student's needs, and the mathematics section of the AHSGQE: Analysis of Need and Proposed Actions*. University of Alaska, Anchorage: Alaska Partnership for Teacher Enhancement. Funded: \$4,000.

### **TEXTBOOK REVIEWS:**

O'Donnell, A.M., Reeve, J. & Smith, J.K. (2007). *Educational Psychology: Reflection for Action*. Hoboken, NJ: John Wiley & Sons, Inc.

### **REVIEWER:**

Teaching Educational Psychology (2006-Present). Article reviewer.

American Educational Research Association (1998). Division K reviewer for annual conference.

Hogan (2002). Educational Assessment. Textbook Chapter Reviewer.

### **EVALUATION & ACCREDITATION EXPERIENCE:**

<u>What</u>	<u>When</u>	<u>Where</u>	<u>Brief Description &amp; (Role)</u>
Evaluation	2006/07	Northern Michigan University	Conduct Evaluation and Co-author Monitoring Reports for two Charter Schools
NCATE Project Coordinator	Winter 07	Northern Michigan University	Direct and oversee NCATE accreditation processes
NCATE Assessment	Fall 06	Northern	Lead consultant for SPA

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Coordinator		Michigan University	reports
Evaluation	2005/06	Northern Michigan University	Contracted to conduct an evaluation of charter school achievement (Burton Glen)
University Assessment Task Force	2004, 2005	Eastern Oregon University	Provost Appointed University Task Force (Assessment Consultant)
NSF Grant	2004, 2005	Eastern Oregon University	Educational Innovation Grant Psychology Department (Assessment Consultant)
NCATE - Secondary Mathematics Education Portfolio	2001 & 2002	University of Alaska, Anchorage	Development of NCATE Portfolio (Lead Author)
Together Reaching Educational Excellence Program	Spring, 2001	University of Alaska, Anchorage	C & I Evaluation (Lead Evaluator for Mathematics Course)
Student Exit Portfolios	Spring, 2000	Fort Lewis College	Evaluation of Student Constructed Portfolios (Visiting Faculty)
TEAC	Spring, 2000	Fort Lewis College	Preparation of Accreditation Report (Visiting Faculty)
Professional Teacher Education Program	Fall, 1997	University of Northern Colorado	Evaluation of teacher education program (Graduate Assistant)
Rocky Mountain Teacher Education Collaborative (NSF)	Spring 1997 & 1998	University of Northern Colorado	Evaluation of student evaluations of Course Innovations (Graduate Assistant)
PCHEM 450	Fall and Spring, 1996	University of Northern Colorado	Evaluation of Teaching Innovations (Graduate Assistant)



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High School	1995	West Side School District Dayton, ID	8 <sup>th</sup> – 11 <sup>th</sup> Grade Mathematics Teacher
Graduate	1994	Utah State University Logan, UT	Instructor – Mathematics for Elementary Teachers
Under-Graduate	1994	Utah State University Logan, UT	Supervisor – Mathematics Student Teachers
Junior High	1991- 1992	Carlsbad Municipal Schools Carlsbad, NM	8 <sup>th</sup> & 9 <sup>th</sup> Grade Mathematics Teacher
Under-Graduate	1987- 1990	New Mexico State University	Teaching Assistant – Mathematics Learning Center

#### **PROFESSIONAL ASSOCIATION PARTICIPATION:**

##### Membership:

<u>Year(s)</u>	<u>Organization</u>
1996-Present	American Educational Research Association Division K Special Interest Groups (current and/or past): Teaching and Teacher Education Teaching Educational Psychology Mathematics Education
2005-Present	National Council on Measurement in Education
2000-2004	Association for Supervision and Curriculum Development
2001-2002	International Group for the Psychology of Mathematics Education
2000-2003 1993-1999	National Council of Teachers of Mathematics

#### **DISSERTATIONS, THESIS, RESEARCH PAPER SUPERVISION**

Beauchamp, D. (2006). *Atmospheric conditions and student behavior: An Analysis*. Unpublished file paper. Marquette, MI: Northern Michigan University.

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Bevins, J. (2006). *Creating an environment Conducive to Learning: Nutrition, Movement, and the Media*. Unpublished Education Specialist file paper. Marquette, MI: Northern Michigan University.

Carlson, A. (2005). *Adults' Experiences in Learning a Foreign Language in a University Class: A Heuristic Study*. Unpublished Dissertation. Cincinnati, OH: Union Institute and University.

Jacobson, P. (2006). *Impact of Athletics on Academic Performance*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Lynn, J. (in progress).

Prince, S. (2005). *The Academic and Social Impact of Children Living in Poverty*. Unpublished thesis. La Grande, OR: Eastern Oregon University.

Rasmussen, S. (2007). *Factors Affecting High School Attrition: A Review of Literature*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Ruhman, D. (in progress).

Sawyer, D. (2006). *A Comparison of Traditional and Computer Assisted Teaching Methods of Math to an Adolescent Special Needs Student*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Sandy, K. (2006). *Students of Single Parents in Private and Public Schools: A Review*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Smith, S. (2006). *A Meta-lever in the Evolution of Educational Design and Technology: Viable 3-D Virtual World Learning Environments*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Standerford Cameron-, A. (2006). *Differentiated Instruction: A Review of Literature*. Unpublished file paper. Marquette, MI: Northern Michigan University.

Thomas, L. (2006). *Principalship: Roles and Stress Indicators*. Unpublished file paper. Marquette, MI: Northern Michigan University.