

Vita

**Lisa C. Duffin, Ph.D.**  
Assistant Professor

Spring 2013

Western Kentucky University  
College of Education and Behavioral Sciences  
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### EDUCATION

**Ph. D. in Educational Psychology**, Purdue University, West Lafayette, IN.

Research Interests: academic motivation, educational psychology as it relates to teacher education, pre-service teacher development and quality of learning, self-efficacy.

Dissertation: *Pre-service teachers' beliefs about motivating students to learn*. Chair: Helen Patrick, Associate Professor, August, 2009.

**Bachelor of Science in Graphic Design**, Bradley University, Peoria, Illinois, May 1996, Summa Cum Laude with honors. Minor in Psychology

### MANUSCRIPTS PUBLISHED

Duffin, L.C., French, B.F., & Patrick, H. (2012). The Teachers' Sense of Efficacy Scale: Confirming the factor structure with beginning pre-service teachers. *Teaching and Teacher Education*. doi: 10.1016/j.tate.2012.03.004.

Patrick, H., Anderman, L.H., Bruening, P.S., & Duffin, L.C. (2011). The role of educational psychology in teacher education: Three challenges for educational psychologists. *Educational Psychologist*, 46, 71-83. doi:10.1080/00461520.2011.53868

*\*Member of the Routledge Education Class of 2012 as one of the "most popular articles published" in the Educational Psychology & Special Needs Education journals in 2011-2012.*

### MANUSCRIPTS IN PREPARATION

Cook, A., Duffin, L.C., & Day, M.M. Motivating students to persist in general chemistry: A potential solution. *Manuscript in preparation*.

Duffin, L.C. Changing teaching efficacy during teacher preparation: The role of educational psychology. *Manuscript in preparation*.

Duffin, L.C., & Patrick, H. Motivating students to learn: What do pre-service know? *Manuscript in preparation*.

## PRESENTATIONS

- Duffin, L.C., Overstreet, S., & Cook, A. (2013, June). *What motivates people from STEM-related career trajectories to change to teaching?* Presented at the 2013 Hawaii International Conference on Math and Engineering Technology, Honolulu, HI.
- Cook, A., Duffin, L.C., & Day, M.M. (2013, April). *Motivating students to persist in general chemistry: A potential solution.* Presented at the 245<sup>th</sup> American Chemical Society National Conference, New Orleans, LA.
- Duffin, L.C., French, B.F., & Patrick, H. (2012, August). *The Teachers' Sense of Efficacy Scale: Confirming the factor structure with beginning pre-service teachers.* Presented at the International Conference on Motivation, Frankfurt, Germany.
- Duffin, L.C., Carpenter, K., & Harper, C.R. (2011, May). *Why do SKyTeach students know more about learning than traditional teacher education students at WKU?* Presented at the UTeach Institute-NMSI Conference, Austin, Texas.
- Duffin, L.C. (2011, April). *The impact of educational psychology within two different models of teacher education on teaching efficacy.* Presented at the Annual Meeting for the American Educational Research Association, New Orleans, LA.
- Duffin, L.C., French, B.F., & Patrick, H. (2010, March). *Pre-service teachers' efficacy: A confirmatory factor analysis on scores from the Teachers' Sense of Efficacy Scale.* Presented at the Annual Meeting for the American Educational Research Association, Denver, CO.
- Duffin, L.C. & Patrick, H. (2008, March). *Pre-service teachers' teaching efficacy, concerns, and commitment to teaching.* Presented at the Annual Meeting for the American Educational Research Association, New York, NY.
- Duffin, L.C. & Patrick, H. (2007, April). *Pre-service teachers' beliefs about effective strategies and self-efficacy for motivating students.* Presented at the Annual Meeting for the American Educational Research Association, Chicago, IL.
- Samarapungavan, A., Mantzicopoulos, Y., Patrick, H, Harris, K., Tsai, M., Stewart, M., Gerberry, C., Duffin, L., Brown, T. (2007, April) *Examining kindergarten students' science learning from a life science inquiry unit.* Presented at the Annual Meeting for the American Educational Research Association, Chicago, IL.

## STUDENT PRESENTATIONS

- Carpenter, K.C., & Harper, C.R. (2011, March). *SKyTeach vs. the traditional teacher education program: Why is the quality of learning of educational psychology content different?* Poster presented at the Western Kentucky University Student Research Conference, Bowling Green, KY.

Cook, A., Duffin, L.C., Overstreet, S., & Day, M.M. (2013, March). *Motivating WKU students to persist in general chemistry*. Presented at the Western Kentucky University Student Research Conference, Bowling Green, KY.

Crowley, B., Sondag, A., Duffin, L.C., & Wininger, S.R. (2013, March). *Pre-service teachers' perceptions of what it means to "learn a lot."* Presented at the Western Kentucky University Student Research Conference, Bowling Green, KY.

Hogan, E., Cannady, L., McCoy, K., Biggs, C., Keen, C., Clayton, K.D., Duffin, L.C., & Ostrowski, S. (2013, March). *An investigation of adverse life events experienced by WKU students*. Presented at the Western Kentucky University Student Research Conference, Bowling Green, KY.

Overstreet, S.N., & Cook, A. (2012, March). *STEM career switchers: Why education?* Presented at the Western Kentucky University Student Research Conference, Bowling Green, KY.

### **CURRENT RESEARCH PROJECTS**

Duffin, L.C. *An examination and comparison of factors that impact academic quality and learning within teacher education at the educational psychology level*. (Current Phase: Data collection.)

Duffin, L.C., Clayton, K.D., & Ostrowski, S.A. *The Impact of Cognitively Accessible Trauma on Attention*, RCAP-II Award #: 11-8004 - \$8,000. (Current Phase: Data collection, analyses and dissemination)

Duffin, L.C. *Issues involving STEM and STEM Education* (Current Phase: Data collection, analyses and dissemination)

Duffin, L.C., & Day, M.M. *A Longitudinal Examination of Pre-Service Teacher Development and Preparedness during Teacher Preparation and Beyond*. (Current Phase: Data collection, analyses, and dissemination)

Wininger, S.R., & Duffin, L.C. *Measures of self-regulation cognition*. (Current Phase: Data collection, analyses, and dissemination)

## COLLEGE TEACHING EXPERIENCE

| <u>Institution</u>    | <u>Dates</u>   | <u>Rank</u>                 | <u>Department</u>   |
|-----------------------|----------------|-----------------------------|---------------------|
| Western KY University | 2009 – present | Assistant Professor         | Psychology          |
| Purdue University     | 2007-2008      | Graduate Teaching Assistant | Educational Studies |
| Purdue University     | 2004-2005      | Graduate Teaching Assistant | Educational Studies |

## COURSES TAUGHT

|     |               |   |
|-----|---------------|---|
| WKU | PSY 310       | Educational Psychology ('09- )  |
|     | PSY 310 (web) | Educational Psychology (January, 2011)                                    |
|     | SMED 210      | Knowing & Learning in Mathematics & Science ('09- )                       |
|     | SMED 510      | Advanced Topics in Knowing & Learning in Mathematics & Science ('11-)     |
|     | SMED 620      | Collaborative Research to Improve Mathematics and Science Teaching ('12-) |
|     | SMED 630      | Action Research Seminar ('12-)  |

Purdue EDST 235/265 Recitation for Learning & Motivation/The Inclusive Classroom

## GRANTS

Cook, A., & **Duffin, L.C.** (2012). WKU Faculty-Undergraduate Student Engagement (FUSE) Internal Grant. *Exploring Freshmen College Students' Self-efficacy, Attitudes and Intentions to toward Chemistry*. Funded: \$4,600. (FUSE Award #: 12-SF110).

Day, M.M. (PI), Pesterfield, L., McDaniel, K., & Wilson, S. (2013). National Science Foundation Math and Science Partnership Grant (NSF 13-0116). *Western Kentucky University's Targeted Partnership: STEM-Teach*. Requested: \$7,564,004. Submitted to NSF on December 18, 2012. (**Duffin, L.C.**, *STEM-Teach Research Coordinator*).

**Duffin, L.C.** (2010). WKU New Faculty Grant: *The Impact of Trauma on College Students' Learning of Mathematics*. Requested: \$4000.00, not funded.

Ostrowski, S.A., **Duffin, L.C.**, & Clayton, K.D. WKU RCAP Grant: *Impact of the psychophysiological consequences of trauma exposure on attentional control*. Requested: \$8000. Funded (RCAP-II Award #: 11-8004).

## AWARDS

Recipient of the 2013 Faculty Award for Teaching in the College of Education & Behavioral Sciences, Western Kentucky University

## SERVICE

### University Service

#### WKU Student Research Conference

- ❖ Judge, WKU Annual Student Research Conference, March 23, 2013
- ❖ Judge, WKU Annual Student Research Conference, March 24, 2012
- ❖ Judge, WKU Annual Student Research Conference, March 26, 2011
- ❖ Judge, WKU Annual Student Research Conference, February 27, 2010

### College of Education and Behavioral Sciences Service

#### CEBS Committee Memberships

- ❖ GSKyTeach Steering Committee, May 2011 - Present
- ❖ SKy Teach Steering Committee, August 2009 - Present
- ❖ CEBS Representative, Boyd-Lubker Visiting Scholars Program Committee, August 2011 – June 2014
- ❖ CEBS Representative, Honors Development Board, August 2012-August 2015
- ❖ Undergraduate Curriculum Committee, August 2010 - August 2012
- ❖ Alternate Admissions Sub-Committee of the CEBS Undergraduate Curriculum Committee, August 2010 - August 2012
- ❖ CEBS Representative, Search Committee: Tenure-Track Science Education Positions (2 positions), April 2011 - June 2011

#### Dissertations and Honors Theses Committee Memberships

- Chair, Honors Thesis Committee, Amanda Cook, *“Exploring freshmen college students’ self-efficacy, attitudes, and intentions toward chemistry,”* Defended: April 17, 2013.
- Committee Member, Dissertation Committee for the Educational Leadership Doctoral Program, Audrey Harper, March 2011 – present
- Committee Member, Dissertation Committee for the Educational Leadership Doctoral Program, Terry Elliot, April 2010 – present

#### Student Supervised Research Activity – GSKyTeach Action Research Projects 2012-2013

- Clements, E. (2013). *A comparison of two different classroom management structures on the occurrence of negative student behaviors in a mathematics classroom.*
- Froedge, L. (2013). *The effects of a utility-value and goal-setting intervention on interest, perceived utility value, and academic performance in mathematics.*
- Lett, K. (2013). *Developing college and career-readiness: The effects of an ACT-specific skill-building intervention on student performance.*
- Murray, T. (2013). *Homework completion: A look at the effects of a group contingency strategy on motivation for completing homework assignments.*
- O’Dell, T. (2013). *The effects of a shorter instructional cycle on student academic performance.*

- Robertson, M. (2013). *Using a co-regulatory intervention to increase self-regulatory discourse behaviors in mathematics.*
- Upadaya, H. (2013). *The effects of lesson format on student engagement in a high school geometry classroom.*

2011-2012

- Armendariz, A. (2012). *Implementation of an independent practice intervention strategy for high school science students.*
- Bressman, B. (2012). *The use of reflective blogging to increase the conceptual understanding of chemistry.*
- Casebolt, J. (2012). *The effect that opening or closing a geometry lesson with focused vocabulary has on assessments.*
- Clements, T. (2012). *Student motivation behind answering or not answering open-ended questions in the high school mathematics classroom.*
- Dick, K. (2012). *Graphic organizers: Deeper understanding and remembering of concepts.*
- Heimerdinger, M. (2012). *Breaking the ice: A first step to facilitate cooperative learning.*
- Johnson, K. (2012). *Positive classroom environment: Effects on student attitude toward learning.*
- Marsh, J. (2012). *Measuring the effective use of clicker technology incorporation in a high school science classroom.*
- Volz, K. (2012). *Decoding and Verbalization: A look at students' decoding and verbalization processes for multi-step mathematics problems.*

Other CEBS Service Opportunities

- Faculty Advisor, SKyTeach Student Organization (SKySO), September 2010 - Present

### **Departmental Service**

Academic Transition Program Events

- Faculty Representative, Academic Transitions Program, March 27, 2013
- Faculty Representative, Academic Transitions Program, March 14, 2012
- Faculty Representative, Academic Transitions Program, April 16, 2011
- Faculty Representative, Academic Transitions Program, August 25, 2011
- Faculty Representative, Academic Transitions Program, August 26, 2010

Search Committees

- Member, Search Committee for Pedagogical Ranks Tenure-Track Position for Glasgow, January 2013—March 2013
- Member, Search Committee for Educational Psychology Tenure-Track Position, January 2012 - April 2012
- Member, Search Committee for Educational Psychology Visiting 1-Year Position, February 2011 - April 2011

- Member, Search Committee for Glasgow Instructor Position, November 2011 – December 2011
- Member, Search Committee for Glasgow & Owensboro Instructor Positions (2 positions), November 2010 – December 2010

#### Recruitment Events

- Faculty Representative, Spring Minority Preview Event, January 26, 2013
- Faculty Representative, WKU Majors and Minors Fair, September 18, 2012
- Faculty Representative, WKU Fall Focus on WKU, November 5, 2011
- Faculty Representative, WKU Majors and Minors Fair, September 21, 2011
- Faculty Representative, Spring Focus on WKU Event, February 21, 2011
- Faculty Representative, WKU Minority Recruitment Fair, October 30, 2010

#### Master's Theses

- Scott Perkins (Chair: Dr. Steven Wininger), Committee Member. Defended: March 8, 2013
- John Manning (Chair: Dr. Sarah Ostrowski), Committee Member. January 2010 – April 2011
- Elizabeth Youngman (Chair: Dr. Carl Meyers), Committee Member, 2010, May

#### Academic and Career Advising

- 18 undergraduate students advised, 1 graduate student advised, 2011-2012
- 32 undergraduate students advised, 0 graduate students advised, 2010-2011

#### Other Service Opportunities

- Chairperson, New Marketing Campaign and Promotional Material for Psychology Department. (June 2011 - Present).
- Guest Speaker, PSY 371: Psychology of Sales Behavior, October 19, 2009

#### **Public/Community Service/Outreach**

- Co-Organizer, "Math and Science Mania" at South Warren Middle School, Bowling Green, Kentucky, April, 2013
- Co-Organizer, "Math and Science Mania" at South Warren Middle School, Bowling Green, Kentucky, December, 2012
- Co-Organizer, "Math and Science Mania" at Warren East Middle School, Bowling Green, Kentucky, April, 2012
- Co-Organizer, "Math and Science Mania" at South Warren Middle School, Bowling Green, Kentucky, December, 2011
- Coach, Warren County Youth Sports – Volleyball, July 2011 – October 2011
- Co-Organizer, "Math and Science Mania" at Warren East Middle School, Bowling Green, Kentucky, April, 2011
- Judge, SKy Academy "Last Chance" Forensic Tournament, 2011, January
- Co-Organizer, "Math and Science Mania" at Warren East Middle School, Bowling Green, Kentucky, December, 2010

- Participant, RCDC “Kick for a Cause” Kickball Tournament, July 17, 2010
- Co-Organizer, “Math and Science Mania” at Moss Middle School, Bowling Green, Kentucky, April, 2010
- Participant in the Women Build Project, Habitat for Humanity, February 2010 - December 2010
- Co-Organizer, “Math and Science Expo” for Bowling Green, Kentucky Community Elementary Students held at Cumberland Trace Elementary School, December 2009

### **Professional Service**

- Appointed Reviewer, American Educational Research Association, Division C: Learning and Instruction, Section 2B, August, 2012
- Session Presenter, UTeach Conference, “Forming and Sustaining Your Student Organizations: The Successes, The Challenges, and Developing Solutions,” May 2012
- Ad hoc Reviewer for *Teaching and Teacher Education*, 2 articles 2012-
- Ad hoc Reviewer for *Urban Education*, 1 article, 2012-
- Appointed Reviewer, American Educational Research Association, Teaching of Educational Psychology Special Interest Group (TEP SIG), July 2010 – November 2010

### **PROFESSIONAL ASSOCIATIONS/CERTIFICATIONS**

American Educational Research Association (AERA), 2004-

- Division Memberships:
  - Division C - Learning and Instruction
  - Division K - Teaching and Teacher Education
- Special Interest Groups (SIGs) Memberships:
  - Motivation SIG
  - Teaching Educational Psychology SIG

American Psychological Association (APA), 2007-

- Division Memberships:
  - Division 15: Educational Psychology

UTeach Institute, 2009-

### **Certifications**

Illinois Elementary School Association Coaching Certification