

DARREL R. DAVIS, PH. D.

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McGuffey Hall Room 201
Oxford, Ohio 45056-1855
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EDUCATION

Doctor of Philosophy, Instructional Technology
University of South Florida, Tampa, Florida, 2007

Master of Science, Computer Science
University of South Florida, Tampa, Florida, 2000

Bachelor of Science, Mathematics Education
University College of Belize, Belize City, Belize, 1994

Associate of Science, Mathematics and Physics
St. John's College Sixth Form, Belize City, Belize, 1992

ACADEMIC POSITIONS

Associate Professor, Department of Educational Psychology
Educational Psychology and Instructional Design and Technology programs
Coordinator Learning and Development Core
Miami University, Oxford, Ohio, 2014 – Current

Assistant Professor, Department of Educational Psychology
Miami University, Oxford, Ohio, 2008 – 2014

Heanon Wilkins Faculty Fellow
Miami University, Oxford, Ohio, 2007 – 2008

TEACHING EXPERIENCE

Miami University, Oxford, Ohio
(2007 - Current)

Graduate

- Behavioral Statistics 1, EDP 667
- Theories of Human Development, EDP 635

Undergraduate

- Human Development and Learning in Social and Educational Contexts, EDP 201 (hybrid)
- Technology + Media Literacy and Learning, EDP 279 (online)
- Audiovisual Instruction: Methods, Media, and Technology, EDP 443 (traditional)
- Practicum in Integrating Technology into Instruction, EDP 440 (traditional)

University of South Florida, Tampa, Florida

(2001 – 2007)

Graduate

- Psychological Foundations of Learning, EDF 6211 (online)
- Web Programming 2 (co-instructor), EME 6930 (traditional)
- Applied Behavior Analysis: Basic Concepts, EDF 6938 (online)
- Web Programming 1, EME 6930 (traditional)

Undergraduate

- Human Behavior and Environmental Selection , EDF 3228 (online)
- Human Development and Learning, EDF 3214 (online)
- Introduction to Educational Technology, EME 2040 (traditional)

Anglican Cathedral College, Belize City, Belize

(1994 – 1996)

Secondary school teacher

- Subjects included Mathematics, Computer Science, and General Science

University College of Belize, Belize City, Belize

(1994)

Undergraduate

- Intermediate Algebra, Math 121
- Mathematics Directed Teaching at St. John's College High School

Belmopan Upper Primary School

(1993)

Volunteer Mathematics substitute teacher

PROFESSIONAL EXPERIENCE

Miami University, Oxford, Ohio

Associate Professor

Department of Educational Psychology

2014 – Current

Assistant Professor

Department of Educational Psychology

2008 – 2014

Heanon Wilkins Faculty Fellow

Responsibilities included

- Teaching the Human Development and Learning in Social and Educational Contexts (EDP 201) and the Practicum Integrate Technology (EDP 440) courses to Miami students
- Converting EDP 201 from a traditional face-to-face course to a hybrid online course
- Work with faculty to help further develop the Instructional Design and Technology program
- Pursue an active research agenda in both the Instructional Technology and Educational Psychology areas

2007 – 2008

University of South Florida, Tampa, Florida

Measurement Computer Lab Manager

Responsibilities included faculty support, and hardware and software support.
2002 – 2006

International Teaching Assistant

Responsibilities included micro-teaching session support and technical support
University of South Florida, Tampa, Florida
2004 and 2005

Graduate Liaison

Professional Development School (PDS) liaison to King High School, Tampa, Florida

Responsibilities included

- Teaching the university's Introduction to Educational Technology (EME 2040) course on-site to King High School students for college credit
- Technology support for administration, teachers and staff
- Assisting in the implementation of the Washington Mutual grant that funded the school's first networked computer system
- Assisting teachers in the preparation of grants
- Promoting USF as a viable resource for teachers

2000 – 2002

Technical Support

Academic Support and Achievement (ASA)

Responsibilities included

- Support for computers in all six divisions of ASA.
- Maintenance of network server and mini-labs
- Technical support for ASA personnel

1999 – 2000

Graduate Counselor

Personal Excellence Program

Responsibilities included monitoring, advising, and mentoring multicultural freshmen admitted to the university under the Personal Excellence Program

1997 – 1999

University College of Belize, Belize City, Belize

Computer Lab Manager

Responsibilities included lab preparation and maintenance
1993

Book Chapters/Contributions

- Bergen, D., Davis, D. R., & Abbitt, J. T. (2015). *Technology Play and Brain Development: Infancy to Adolescence and Future Implications*. Routledge.
- Bergen, D. & Davis, D. R. (2013). Playful activity and thought as the medium for moral development: Implications for moral education. In B. J. Irby, G. Brown, R. Lara-Alecio, & S. Jackson (Eds.) and R. A. Robles-Pinã (Sect. Ed.), *The handbook of educational theories* (pp. 653-666). Charlotte, NC: Information Age Publishing, Inc.
- Davis, D. R. (2011). Human development and learning in social and educational contexts . In J.W. Nutta, K. Mokhtari, & C. Strelbel (Eds.), *Preparing every teacher to reach English learners: A practical guide for teacher educators* (pp. 129-135). Cambridge, MA: Harvard Education Press.

Articles in Refereed Journals

- Black, J., Noltemeyer, A., Davis, D. R., Schwartz, T. (accepted). Pre-service teachers' responses to student behavior in a mixed-reality environment. SAGE Open.
- Davis, D. R., & Bergen, D. (2014). Relationships Among Play Behaviors Reported by College Students and Their Responses to Moral Issues: A Pilot Study. *Journal of Research in Childhood Education, 28*(4), 484-498. doi:10.1080/02568543.2014.944721
- Ritz, M., Noltemeyer, A., Davis, D. R., & Green, J. (2014). Addressing preschool non-compliance: Insights revealed through systematic observation and interview. *Psychology in the Schools. 51*(2), 181-197. doi:10.1002/pits.21744
- Davis, D. R., & Abbitt, J. T. (2013). An Investigation of the Impact of an Intervention to Reduce Academic Procrastination Using Short Message Service (SMS) Technology. *Journal of Interactive Online Learning, 12*(3), 78-102.
- Davis, D. R. (2013). Cognitive and Affective Outcomes of Short-Term Service-Learning Experiences: An Exploratory Study. *International Journal for the Scholarship of Teaching & Learning, 7*(2), 1-15.
- Davis, D. & Abbitt, J. (2013). Using SMS texting to reduce procrastination in large-enrollment courses: An Exploratory Study. In R. McBride & M. Searson (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2013* (pp. 3119-3121). Chesapeake, VA: AACE. Retrieved September 3, 2013 from <http://www.editlib.org/p/48574>.
- Bergen, D., & Davis, D. R. (2011). Influences of technology-related playful activity and thought on moral development. *American Journal of Play, 4*(1), 80-99.
- Abbitt, J. & Davis, D. (2010). The Prevalence, Perceived Barriers and Benefits of Open Source Software in K-12 Public Schools in Southwest Ohio. In D. Gibson & B. Dodge (Eds.), *Proceedings of Society for Information Technology & Teacher Education International Conference 2010* (pp. 1296-1300). Chesapeake, VA: AACE. Retrieved September 3, 2013 from <http://www.editlib.org/p/33536>.
- Davis, D. R. (2011). Enhancing graph production skills via programmed instruction: An experimental analysis of the effect of guided-practice on data-based graph production. *Computers in Human*

Behavior, 27(5), 1627-1633. doi:16/j.chb.2011.01.013

Abbitt, J. T., & Davis, D. R. (2010). An Investigation of the prevalence, barriers, and benefits of Open Source Software in K-12 public schools. *Midwest Journal of Educational Communications & Technology*, 4(2), 2-15.

Jamieson, P., Davis, D. R., & Spangler, B. (2010). The mythical creature approach - A simulation alternative to building computer architectures. *Proceedings of the 2010 International Conference on Frontiers in Education: Computer Science & Computer Engineering (FECS'10), 2010*. Las Vegas, NV.

Wasburn, M. H., Wasburn-Moses, L., & Davis, D. R. (2010). Mentoring Special Educators: The Roles of National Board Certified Teachers. *Remedial and Special Education*. doi:10.1177/0741932510364549

Davis, D. R., Bostow, D. E., & Heimisson, G. T. (2007). Strengthening scientific verbal behavior: An experimental comparison of progressively prompted, unprompted programmed instruction, and prose. *Journal of Applied Behavior Analysis*, 40(1), 179-184.

Christensen, K., Rundus, D., Fujinoki, H., & Davis, D. R. (2002). A Crash Course for Preparing Students for a First Course in Computing: Did it Work? *Journal of Engineering Education*, 91(4), 409-413.

Christensen, K., Davis, D. R., & Rundus, D. (2000). A 'Boot Camp' for Preparing Freshman Students for Success in a First Course in Computing. *Proceedings of the 2000 ASEE Southeastern Section Meeting*.

PRESENTATIONS

Conferences

Davis, D. R., & Bergen, D. (2015, May). College Students' Technology-Related Play Reports Show Differing Gender and Age Patterns. Poster presented at the Association for Psychological Science, New York, NY.

Black, J., Noltemeyer, A.L., Davis, D., & Schwartz, T. (2014, February). Pre-Service Teachers' Responses to Student Behavior in a Mixed-Reality Environment. Poster presentation submitted to the National Association of School Psychologists Annual Convention, Washington, DC.

Davis, D. R., & Abbitt, J. T. (2013, March). Using SMS texting to reduce procrastination in large-enrollment courses: An exploratory study. Paper presented at Society for Information Technology & Teacher Education International Conference, New Orleans, Louisiana.

Davis, D. R. (2013, March). Large-Enrollment Courses: Lessons and Strategies from Higher Education. Paper presented at Ohio Confederation of Teacher Education Organizations Conference, Dublin, Ohio.

Davis, D. R., & Garrison, S. (2012, September). Self-Regulation in the Large Enrollment Hybrid-Online Environment. Paper presented at the Digital Expo, Miami University, Oxford, Ohio.

- Davis, D. R., & Ewing, J. (2012, September). Combating Cyberbullying: An Interactive Online Intervention. Paper presented at the Digital Expo, Miami University, Oxford, Ohio.
- Davis, D. R., & Bergen, D. (2012, April). Technology-Related Playful Activity and Thought and Moral Development. Paper presented at the American Educational Research Association, Vancouver, British Columbia, Canada.
- Bergen, D., & Davis, D. R. (2011, July). Playful activity and thought as a medium for moral development. Paper presented at the International Play Association, Cardiff, Wales.
- Bergen, D., & Davis, D. R. (2011, May). Young Adults' Technology Play Is Related to Moral Emotions, Behaviors, and Reasoning. Poster presented at the Association for Psychological Science, Washington, DC.
- Abbitt, J. T., & Davis, D. R. (2010, March). The Prevalence, Perceived Barriers and Benefits of Open Source Software in K-12 Public Schools in Southwest Ohio. Paper presented at the Society for Information Technology and Teacher Education, San Diego, California.
- Davis, D. R. (2009, October). Peer Assessment in a Large-Enrollment Online Course: An empirical analysis of scores and practical considerations for implementation. Paper presented at the Association for Educational Communications and Technology, Louisville, Kentucky.
- Davis, D. R., Bostow, D. E., & Heimisson, G. T. (2005). Experimental Evaluation of Incremental Prompting as a Feature of Web-Delivered Programmed Instruction (Applied Behavior Analysis). Paper presented at the Association for Behavior Analysis. Chicago, Illinois.
- Heimisson, G. T., Bostow, D. E., Cohen, M. A., Davis, D. R. (2005, May). An Experimental Analysis of the Effectiveness of Two Web-Based Instructional Programs in Teaching Complex Auditory Discrimination with Classical Music. Paper presented at the Association for Behavior Analysis. Chicago, Illinois.
- Cohen, M. A., Bostow, D. E., Davis, Darrel R., Raver, R. A., & Kritch, K. M. (2002, May). Methods of delivering and analyzing the effects of programmed instruction over the WEB. Paper presented at the Association for Behavior Analysis, Toronto, Canada.

Workshop Presentations

- Davis, D. R. (2012, October). Unlocking the Human Brain, EHS Open House, Miami University.
- Davis, D. R. (2012, June). Unlocking the Human Brain, EHS Advisor Council, Miami University.
- Davis, D. R. (2010, December). All about Files: Editing our Views, Miami University.
- Davis, D. R. (2003, February). Introduction to JavaScript, Florida Educational Technology Corporation, Orlando, Florida.

RESEARCH GRANT AWARDS

- Schroer, J., & Davis, D. R. (\$900, 2015). Mutual Mentoring Grant. The School of Education, Health, and Society, Miami University.
- Davis, D. R. (\$600, 2015). Undergraduate Summer Scholars Faculty Mentorship. Office of Research for

Undergraduates. Miami University.

Davis, D. R. (\$3,000, 2014). Re-envisioning critical thought and pedagogy in Educational Psychology. Miami University.

Schroer, J, & Davis, D. R. (\$800, 2014). Mutual Mentoring Grant: EEG/ERP Procedures. The School of Education, Health, and Society, Miami University.

Davis, D. R. (\$500, 2012). *Mutual Mentoring Grant: Research Preparation Mentorship*. The School of Education, Health, and Society, Miami University.

Davis, D. R., & Bergen, D. (\$17034, 2011). *Unlocking the Human Brain*. Miami University.

Davis, D. R. (\$5000, 2011). *Free and Open Source Software: From theoretical construction to empirical examination*. The School of Education, Health, and Society, Miami University.

Davis, D. R., & Ward, R. (\$500, 2011). *Mutual Mentoring Grant: Research Writing Support*. The School of Education, Health, and Society, Miami University.

Davis, D. R., Bergen, D., Boone, W., Cambron-McCabe, N., McMahon-Klosterman, K., Schmidt, J., Shively, J., & Wang, A. (\$34,875, 2010). *Enhancing Student Inquiry and Critical Thought in Educational Psychology*. Miami University.

Davis, D. R. (\$500, 2009). *Mutual Mentoring Grant: A Mentorship Odyssey*. The School of Education, Health, and Society, Miami University.

Davis, D. R. (\$500, 2009). *ELL Infusion Mini-Grant*. The ESOL Miami Project, Miami University.

Davis, D. R. (\$5000, 2009). *The impact of Peer Feedback and Grade Incentive on the Validity and Reliability of Peer Assessment Scores and on Students' Perception of Peer Assessment in a Large-Enrollment Online Course*. The School of Education, Health, and Society, Miami University.

PROFESSIONAL ASSOCIATIONS

American Educational Research Association (AERA), 2007 – Present

Association for Educational Communications and Technology (AECT), 2007 – Present

Association for the Advancement of Computing in Education (AACE), 2012 – Present

International Society for Technology in Education (ISTE) 2012 – Present

American Society for Engineering Education (ASEE), 2004 – 2006

Instructional Technology Student Association (ITSA), 2003 – 2007

Commencement and Convocation Committee, University of South Florida, Tampa, Florida, 2006

SERVICE

Miami University, Oxford, Ohio

EHS Faculty Advisory Council, 2015 - Present

Departmental Promotion and Tenure Committee, 2015 - Present

Undergraduate Student Petitions Committee, 2013 - 2015

University Benefits Committee, Fall 2012 – Present

Committee for the Advancement of Teaching Scholarship, and Awards, Fall 2012 – 2014

Niihka Advisory Committee, 2012 – 2014
Coordinator Learning and Development Core, 2011 – Present
Member Latin American, Latino/a and Caribbean Studies Affiliate and Committee, 2011 – Present
Associate of the Center for Human Development, Learning and Technology, 2007 – Present
Instructional Design and Technology Program committee, 2007 – Present
Educational Psychology Program committee, 2007 – Present
Member search committee for the EDP Clinical Faculty, 2012 – 2013
Member Niihka Functional Requirements Committee, 2011 – 2012
Member search committee for the Athletic Training Education Program Director, 2011 – 2012
Undergraduate Curriculum Committee, Fall 2008 – Fall 2010

University of South Florida, Tampa, Florida
Judicial Officer, Student Judicial Board, 1999

COMMUNITY ORGANIZATIONS

Board Member Moon Coop, Fall 2012 – Present
Oxford Police Citizen Observer Patrol, Spring 2012 – Present
Volunteer, ElderNet Services, Crisis Center of Tampa Bay, Inc. 2004 – 2007
Member, Belizean Association of Friends United, 2000 – 2004
Member, Professional Association of Diving Instructors, 1998 – 2002
Treasurer, National Secondary School Sporting Association Central Division, 1996 – 1997
Member, Teachers With Voice choir, 1994 – 1996
Member, Belmopan Choral Society Drama Group, 1992 – 1994

REFERENCES

Available upon request.