

Melissa D. Hartley
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Department of Special Education
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Research/Interests

Virtual Reality Simulations for Preservice and Inservice Teachers' Pedagogical & Collaboration Skill Acquisition, Maintenance, and Refinement

Supply & Demand of Special Education Doctorates

Educational Statistics

Education

2010 Doctor of Philosophy, (Education), Claremont Graduate University (CGU) and San Diego State University (SDSU), 3.9

2003 Master of Science (Emotional Handicaps, Learning Disabilities, and Varying Exceptionalities), Florida State University (FSU), 4.0

2003 Bachelor of Science (Emotional Handicaps, Learning Disabilities and Varying Exceptionalities), Florida State University, 3.9

2000 Associates of Art (Special Education), Tallahassee Community College, 4.0

Current Appointment

Teaching Assistant Professor, West Virginia University (WVU), Department of Special Education, College of Human Resources and Education

Dissertation

Hartley, M. (2010). *Special education doctoral students and graduates: Demographic and career choices changes over the past decade*. Unpublished doctoral dissertation.

Publications

Hartley, M., Ludlow, B. L., & Duff, M. C. (in press). Second Life as a tool for teaching collaboration skills in teacher education programs in special education. In B. L. Ludlow & B. C. Collins. (in press). *Online in real time: Using Web 2.0 for distance*

education in rural special education. Pending publication by the American Council on Rural Special Education.

Hartley, M. D., Ludlow, B. L., & Duff, M. C. (2013). Using Second Life to teach collaboration skills to preservice and inservice special educators. In K. Nettleton & L. Lennex (Eds). *Cases on 3D Technology: Application and Integration in Education* (336-358). Hershey, PA: IGI Global.

Smith, D. D., Truong, A., Watson, R., **Hartley, M. D.,** Robb, S. M., & Gilmore, R. (2011). An analysis of the office of special education programs' leadership preparation initiative, *Teacher Education and Special Education*, 34(4), 267-282.

Hartley, M. D., Ludlow, B. L., & Duff, M. (2011). Second life for special educators: Using virtual reality in a teacher education program. *Proceedings of the American Council on Rural Special Education*, American Council on Rural Special Education

Hartley, M. D. (2008). *Changes in age patterns among special education doctoral students*. IRIS- West; San Diego, CA.

Hartley, M. D. (2008). *Special education doctorate career choices*. IRIS-West; San Diego, CA.

Presentations

Hartley, M. D., & Ludlow, B. L. Using the TLE teachlive simulation lab for skill acquisition. Teacher Education Division (TED) 2013 Conference, Fort Lauderdale, Florida.

Hartley, M. D., Morch, A., & Ludlow, B. L. Investigating role-play and social interaction in 3-d virtual worlds: An international approach. Teacher Education Division (TED) 2013 Conference, Fort Lauderdale, Florida.

Hartley, M.D., Ludlow, B. L., & Duff, M. C. Using virtual realities for skill acquisition, refinement, and maintenance in teacher preparation. Council for Exceptional Children (CEC) 2013 Conference, San Antonio, Texas.

Hartley, M. D., Aronin, S., Ludlow, B. L., & DeVito, H. How preservice teacher practice new skills in a mixed reality simulation lab. Teacher Education Division (TED) 2012 Conference, Grand Rapids, Michigan.

Hartley, M. D., Aronin, S., Ludlow, B. L., & DeVito, H. How preservice teacher practice new skills in a mixed reality simulation lab. Teacher Education Division (TED) 2012 Conference, Grand Rapids, Michigan.

- Hartley, M. D.,** Ludlow, B. L., & Duff, M. C. Learning to collaborate online: Using virtual reality for teacher preparation. Teacher Education Division (TED) 2012 Conference, Grand Rapids, Michigan.
- Collins, B., Ludlow, B., Pearl, C., Dieker, L., Glomb, N., & **Hartley, M. D.** Teacher education online in real time (Part 1): Teaching and learning. Teacher Education Division (TED) 2011 Conference, Austin, Texas, November 2011.
- Hartley, M. D.,** Ludlow, B. L., & Duff, M. From little knowledge of using second life to using it in teacher preparation courses: How virtual reality is being used in the classroom. Teacher Education Division (TED) 2011 Conference, Austin, Texas, November 2011.
- Hartley, M. D.,** Ludlow, B. L., & Devito, H. (2011). Using interactive virtual realities in teacher preparation. Teacher Education Division (TED) 2011 Conference, Austin, Texas, November 2011.
- Hartley, M.D.,** Ludlow, B. L., & Duff, M. (2011). Second life for special educators: Using virtual reality in a teacher education program. American Council on Rural Special Education (ACRES) 2011 Conference, Albuquerque, New Mexico, March 2011.
- Pang, V., & **Hartley, M. D.** (2009). California Achievement Data: CAT/6 2003-2008. California School Board Association Conference.
- Alvarado, J. A., & **Hartley, M. D.** (2009). Supporting General and Special Education Teachers in Teacher Directed Instruction: The Instruction Observation Form. Teacher Education Division (TED) of the Council for Exceptional Children (CEC) 2009 Conference, Charlotte, NC, November 2009.
- Hartley, M. D. (2009). Collaboration and Mean Levels of Burnout in EBD Teachers. Council for Exceptional Children (CEC) 2009 Conference, Seattle, WA, April 2009.
- Hartley, M. D. (2009). Special Education Faculty Shortage: Who's Entering the Pipeline? Council for Exceptional Children (CEC) 2009 Conference, Seattle, WA, April 2009.
- Hartley, M. D. (2009). Collaboration and Burnout: Preparing Future Educators and Retaining Them. Association of Teacher Educators (ATE) 2009 Conference, Dallas, TX, February 2009.
- Hartley, M. D. (2008). Collaboration and Burnout Among Teachers of Students with Emotional and Behavioral Disabilities. Teacher Education Division (TED) of the Council for Exceptional Children (CEC) 2008 Conference, Dallas, TX, November 2008.

Hartley, M. D., & Bruno, J. (2007). Renewing Hope Through Mentoring and Action Research: Rescuing Teachers from Burnout. Association for Teacher Educators (ATE) Conference, San Diego, CA, February 2007.

Hartley, M. D., & Bruno, J. (2006). I'm Not Making a Difference, So What's the Point? Addressing Teacher Burnout Through Self-reflection. Teacher Education Division (TED) of the Council for Exceptional Children (CEC) Conference, San Diego, CA, November 2006.

Bruno, J., Traore, R., & **Hartley, M. D. (2005).** Resistance to Multicultural Education by Pre-service Teachers: The Look and Feel. First International Congress of Qualitative Inquiry, Urbana, IL, May 2005.

Bruno, J., Traore, R., & **Hartley, M. D. (2003).** How Do We Reach Students Who Feel No Need to Understand Oppression? A Search for Answers. International Conference on Teacher Education and Social Justice, San Francisco, CA, June 2003.

Teaching

Fall 2013	WVU: SPED 601 Academic Interventions for Students with Disabilities, non-majors, campus-based section WVU: SPED 663 (2 sections), Collaboration, Consultation, and Inclusion Strategies, online, Second Life WVU: SPED 665, Mathematics for Special Needs, online, Second Life
Summer 2013	WVU: SPED 601 Academic Interventions for Students with Disabilities, non-majors, campus-based section (TeachLivE) WVU: SPED 601 Academic Interventions for Students with Disabilities, majors, online WVU: SPED 691, Differentiating Instruction for English Language Learners with Disabilities, online, Second Life WVU: SPED 770, Policy Analysis & Development, online, Second Life, doctoral course
Spring 2013	WVU: SPED 364 Educational Programming for Students with Special Needs (TeachLivE) WVU: SPED 601, Academic Interventions for Students with Disabilities, non-majors, campus-based section (TeachLivE)

	WVU: SPED 663 (2 sections), Collaboration, Consultation, and Inclusion Strategies, online, Second Life
Fall 2012	WVU: SPED 460, Differentiating Instruction, Elementary WVU: SPED 601, Academic Interventions for Students with Disabilities, non-majors, campus-based section (TeachLivE) WVU: SPED 663 (2 sections), Collaboration, Consultation, and Inclusion Strategies, online, Second Life
Summer 2012	WVU: SPED 601, Academic Interventions for Students with Disabilities, non-majors, campus-based section (Teach LivE) WVU: SPED 601, Academic Interventions for Students with Disabilities, online, Second Life WVU: SPED 691, Differentiating Instruction for English Language Learners with Disabilities, online, Second Life
Spring 2012	WVU: SPED 364, Educational Programming for Students with Special Needs (TeachLivE & Second Life) WVU: SPED 663 (2 sections), Collaboration, Consultation, and Inclusion Strategies, online, Second Life WVU: SPED 669, Culminating Practicum, MSE, University Supervisor, online
Fall 2011	WVU: SPED 304, Special Education in Contemporary Society SPED 360 (2 sections), Differentiating Instruction SPED 663 (2 sections), Collaboration, Consultation, and Inclusion Strategies, online, Second Life
Summer 2011	WVU: SPED 601 (2 sections), Academic Interventions for Students with Disabilities, online WVU: Course Development, SPED 664/691, Differentiating Instruction for English Language Learners with Disabilities
Spring 2011	WVU: SPED 304 (2 sections), Special Education in Contemporary Society SPED 364, Educational Programming for Students with Special Needs SPED 463, Collaboration, Consultation, and Inclusion Strategies
Fall 2010	WVU: SPED 360 (4 sections), Differentiating Instruction

Spring 2010 SDSU: Teaching Assistant, ED 820, Advanced Educational Statistics, Planned lessons, delivered instruction, and evaluated student performance. Assisted students in learning SPSS, in forming research questions, in selecting appropriate statistics for data analysis, and in writing results for publication, Dr. Rafaela Santa Cruz.

Fall 2009 SDSU: Teaching Assistant, TE 646, Seminar in Educational Statistics, Planned lessons, delivered instruction, and assisted students with instrument development, Dr. Rafaela M. Santa Cruz.

SDSU: Teaching Assistant, SPED 651, Legislation, Leadership & Management for Special Education, Dr. Jose Luis Alvarado

Summer 2009 SDSU: Adjunct Faculty, SPED 501, Typical and Atypical Learning Processes (Educational Psychology)

SDSU: Adjunct Faculty, SPED 502, Field Experiences in Special and General Education

Spring 2009 CGU: Adjunct Faculty, EDU 595, Leadership in Special Education

CGU: Teaching Assistant, ED 466, Quantitative Research Practicum, Assisted students in deepening their conceptual understanding of educational statistics, developing an instrument, conducting a review of the literature, creating a database using SPSS, analyzing data, and writing the results, as well as planned and delivered instruction, Dr. David E. Drew.

SDSU: Teaching Assistant, SPED 651, Legislation, Leadership & Management for Special Education, Dr. Jose Luis Alvarado

Fall 2008 CGU: Teaching Assistant, ED 465, Quantitative Research Methods, Assessed students in their conceptual understanding of quantitative research methods and assisted students with understanding of quantitative research methods, Dr. David E. Drew.

Summer 2008 SDSU: Adjunct Faculty, SPED 502, Field Experiences in Special and General Education

SDSU: Teaching Assistant, SPED 681A, Advanced Study of Special Education & Mild to Moderate Disabilities, Dr. Jose Luis Alvarado

- CGU: Teaching Assistant, EDU 635, Special Education Issues, Trends, & Policy Development, Dr. Deborah Deutsch Smith
- Spring 2008 CGU: Teaching Assistant, ED 615, Professional Seminar for Special Education Doctoral Students, Dr. Deborah Deutsch Smith
- SDSU: Teaching Assistant, SPED 681A, Advanced Study of Special Education & Mild to Moderate Disabilities, Graduate Assistant, Dr. Jose Luis Alvarado
- 2007-2008 SB-DRT (Site-Based Diagnostic Resource Teacher), Administrative role & Department Chair of Special Education, Hoover High School, San Diego City Schools (SDCS), CA. Supported special education teachers in IEP compliance, instructional methods, and collaboration with general education teachers. Hand scheduled 232 students with disabilities based upon individual needs. Supported administration in master schedule, case manager assignment, student achievement data (Informal Reading Inventory & Brigance) of 232 students; collaborated with feeder schools for successful articulation into the high school program; ensured that students are receiving their accommodations/modifications in regular education classrooms and in testing, & coordinated testing for students with disabilities.
- 2005-2006 Special Education Department Chair & teacher of students with emotional and behavioral disabilities, Hoover High School, SDCS. Utilized applied behavior analysis (ABA) techniques to systematically increase/decrease behaviors. Identified target behaviors, conducted reinforcement sampling, identified function of behaviors, taught replacement behaviors serving same function, taught students to self-monitor replacement behavior, plan for fading & generalization of replacement behavior. Collaborated with outside agencies to ensure students' mental health needs were being addressed. Co-taught Algebra, Geometry, Chemistry & Physics.
- 2003-2005 Special Education Teacher (Algebra, Geometry, Learning Strategies), John F. Kennedy High School, Montgomery County Public Schools, MD. Co-taught Geometry.
- 2001-2003 FSU: Teaching Assistant, EEX 4212, Taught college students how to administer, score, and interpret educational assessments, Dr. Barbara Edwards

Supervision of Preservice Teachers

- Spring 2013 WVU: University Liaison for East Fairmont High School, supervision of interns in the Five Year Benedum Program, observations & evaluation
- Fall 2012 WVU: University Liaison for East Fairmont High School, supervision of interns in the Five Year Benedum Program, observations & evaluation
- Spring 2012 WVU: University Liaison for East Fairmont High School, supervision of participants in the Five Year Benedum Program, observations & evaluation, Supervision of students in online Master's degree program
- Fall 2011 WVU: University Liaison for East Fairmont High School, supervision of interns in the Five Year Benedum Program, observations & evaluation
- Spring 2009 SDSU: Student Teachers/Intern Supervision, assisted in lesson plan development, collaborated with the student teachers/interns and their master teachers, assisted in the use of research-based practices in classroom instruction, evaluated the performance of student teachers/interns, Dr. Angela McIntosh.

Professional Development (Provided)

- Fall 2011 East Fairmont High School: Year-long professional development seminar in co-teaching, collaboration, and increasing student outcomes. Teachers participating in professional development activities, practicing strategies from professional development, observation of strategies implemented, feedback and practicing implementation.
- Spring 2011 Rivesville Elementary/Middle: Co-teaching Models
West Virginia Student Education Association (WV SEA):
Experiences in Co-teaching
C&I 680: Basics in Using SL in Education

Research

- 2010 – present Data Analysis Consulting work

- 2007 – 2010 Graduate Research Assistant, Special Education Faculty Needs Assessment (SEFNA), The U.S. Department of Education’s Office of Special Education Programs (Project #325U070001) supports this evaluation effort, which is being conducted at CGU. One aspect of the effort is to determine whether a sufficient supply of new special education doctoral graduates will be available to assume roles as teacher educators to meet the nation’s need for highly qualified special education teachers, Dr. Deborah Deutsch Smith.
- 2008 – 2010 Graduate Research Assistant, Cleaning and analysis of large existing databases (approximately 5.5 million cases), Dr. Valerie Pang
- 2008 – 2010 Graduate Research Assistant, Assisted with data collection for the SDSU Imperial Valley Special Education Credential Program, assisted with Credential Student Participant manuals, conducted full review of literature in culturally relevant pedagogy, data gathering and presentation of employment projections within education in CA, Dr. Jose Luis Alvarado.
- 2005-2007 Conducted a two-year at a comprehensive high school in San Diego, CA. Study investigated a way that teachers can reinforce themselves to prevent burnout. Study included a baseline burnout survey, utilization of reflective practices and documentation, three meetings per year with surveys regarding process.
- 2002-2003 FSU: Graduate Assistant & Research Assistant, Assisted Dr. Bruno in creating a Living and Learning Community for freshman interested in entering field of education, qualitative research with cohort groups, and developed assessments and rubrics, Dr. John Bruno.
- 2001-2003 FSU (undergrad & Master’s): Research Assistant, conducted full literature review of spelling problems of students with disabilities, Dr. Barbara Edwards.

Grants

- Fall 2011 Discovery Research K-12 (DRK-12), National Science Foundation, NSF 11-588. Collaborated with Drs. Sara Aronin (PI), Sung Hee Lee, Jill Olthouse, and D.J. Piscano.
- 2007-2010 Collected data for the Special Education Faculty Needs Assessment (SEFNA), The U.S. Department of Education’s Office of Special Education Programs (Project #325U070001) supports

this evaluation effort, which is being conducted at CGU. One aspect of the effort is to determine whether a sufficient supply of new special education doctoral graduates will be available to assume roles as teacher educators to meet the nation's need for highly qualified special education teachers, PI: Dr. Deborah Deutsch Smith.

Service

Search Committees (2011-2012), role = member: Graduate Coordinator position for Department of Special Education, Teaching Assistant Professor for the Department of Special Education, Co-Director of Tracking Evaluation & Quality Improvement Core for Research Assistant/Associate Professor for the HSC & HRE

Council for Exceptional Children, 2012 Annual Conference Proposal Reviewer, Summer 2012

Higher Education Consortium for Special Education, departmental alternate representative, 2011 –present

Departmental Evaluator for Technology – 2011-present

University Liaison for Benedum Teacher Education Program – 2011-present

Member of the Program Evaluation and Research Center (PERC) – 2011-present

Manuscript Reviewer for the Journal of Special Education – 2010-present

Manuscript Reviewer for Teacher Education and Special Education –2010-present

Faculty Sponsor of the West Virginia University Student Chapter of the Council for Exceptional Children, 2010-present

Teacher Education Division, Political Action Liaison, 2010-present

Program Evaluator for Department – 2010- present

Council for Exceptional Children, 2012 Annual Conference Proposal Reviewer, Summer 2011

Advisory Board Member of the Children and Youth Action Network (CAN) of the Council for Exceptional Children, 2010-2011

Teacher Education Division (TED) of the Council for Exceptional Children (CEC) Kaleidoscope Proposal Reviewer for TED 2009 conference

Division of Learning Disabilities (DLD) Proposal Reviewer for CEC 2009 conference
SDSU Collaborative Grant Writing, Library funding for Schools within the City
Heights Collaborative, 2008