

Paul G. Shotsberger
Southern Wesleyan University
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Education

Ph.D., University of North Carolina at Chapel Hill, May 1993
Major: Curriculum and Instruction
Dissertation: *The Use of Construct Validity in the Evaluation of Intelligent Tutoring System Performance*

M.A., University of North Carolina at Charlotte, May 1989
Major: Mathematics Education

B.A., University of North Carolina at Chapel Hill, May 1979
Major: Education (Secondary Mathematics)

Pertinent work experience

Professor of Mathematics and Education, Southern Wesleyan University
2013-present

Dean of the School of Education, Southern Wesleyan University
2009-2013

Director of the Institute for the Development of Christian Leadership, Kiev, Ukraine 2002-2009

Missionary to Ukraine with Ministry to Educate and Equip, Intl., headquartered in Richmond VA
2002-2009

Associate Professor, Department of Mathematics and Statistics, University of North Carolina at Wilmington
1993-2002

Mathematics Teacher, grades 7-12, Charlotte, NC and Durham, NC
1983-1990

Research and reviewing interests

Teacher Preparation
7-12 Curriculum and Instruction
7-12 Assessment
School-based Research
Mathematics Education

Current professional memberships

International Christian Community for Teacher Educators
National Council of Teachers of Mathematics
National Association of Administrators and School Principals

Selected publications

- Shotsberger, P.G. (2012). How a Christian Ethic of Care Can Inform the Organization and Structure of Schools of Education. *The ICCTE Journal*, 7(2). (<http://icctejournal.org/issues/v7i2/v7i2-shotsberger/>)
- Shotsberger, P.G. (2011). High-Stakes Assessment: Is a Christian Ethic of Care Possible? *The ICCTE Journal*, 6(2). (<http://icctejournal.org/issues/v6i2/v6i2-shotsberger/>)
- Shotsberger, P.G. (2002). Mobile wireless technologies for field-based teacher interns and their partnership teachers. *Computers in the Schools*, 19(3/4), 49-65.
- Shotsberger, P.G. (2001). Changing mathematics teaching through Web-based professional development. *Computers in the Schools*, 17(1/2), 31-39.
- Shotsberger, P.G. (2000). Kepler and Wiles: Models of perseverance,” *Mathematics Teacher*, 93(8), 680-681.
- Shotsberger, P.G. (2000). On the importance of being pre-seasonal: Mathematics education reform as an artifact of generational personalities. *Journal of Mathematical Behavior*, 18(2), 211-221.
- Shotsberger, P.G. (1999). The INSTRUCT Project: Web professional development for mathematics teachers. *Journal of Computers in Mathematics and Science Teaching*, 18(1), 49-60.
- Shotsberger, P.G., & Crawford, A.R. (1999). On the elusive nature of measuring teacher change: An examination of the Stages of Concern questionnaire. *Evaluation and Research in Education*, 13(1), 3-17.

Recent conference presentations:

“Sustainability Education as an Ethic of Care,” to be presented at the annual International Greening Education Event, Karlsruhe, Germany, October 2012

- “The Potential Impact a Christian Ethic of Care Can Have on Structures and Systems of Schools of Education,” presented at the bi-annual meeting of the International Christian Community for Teacher Education, Azusa, CA, May 2012
- “Using Classroom-based Research to Improve Classroom Instruction,” with James Couch and SWU MEd research students, presented at the South Carolina Education and Business Summit, Greenville, SC, June 2011
- “Mastering the SPA: Achieving Success Through Collaboration,” with Sandra McLendon, presented at the South Carolina Association of Teacher Educators conference, Myrtle Beach, SC, October 2010
- “Enhancing Presentations Using Geometer’s Sketchpad,” presented at the Upstate Technology Conference, Greenville, SC, June 2010

Selected teacher training conducted

- “Pre- and Post-Assessment Analysis,” for K-5 teachers at Bethlehem Christian Academy, Simpsonville, SC, April 2012
- “APA Standards for Research Writing,” for 9-12 teachers at Shannon Forest Christian Academy, Greenville, SC, March 2012
- “Christian Ethic of Care,” for K-5 teachers at Bethlehem Christian Academy, Simpsonville, SC, September 2011
- “Active Learning and Differentiated Instruction,” for K-12 teachers at Athens and Glyfada Christian Schools, Athens, Greece, September 2007
- “Implications of Brain-based Research for Teaching and Learning,” for K-12 teachers and Institute instructors, Lovech, Bulgaria, November 2006
- “Implications of Brain-based Research for Teaching and Learning,” for K-12 teachers at Athens and Glyfada Christian Schools, Athens, Greece, September 2005
- Geometry graduate course taught as part of the “Meeting Diverse Needs in High School Algebra and Geometry” project, Chapel Hill, NC, July 2003

Recent conferences attended:

- International Greening Education Event, Karlsruhe, Germany, October 2012
- International Christian Community for Teacher Education, Los Angeles, CA, May 2012
- Council for the Accreditation of Educator Preparation, Las Vegas, NV, March 2012
- Education and Business Summit, Greenville, SC, June 2011
- Council for the Accreditation of Educator Preparation, Atlanta, GA, April, 2011
- Upstate Technology Conference, Greenville, SC, June 2010
- American Association of Colleges of Teacher Education, Atlanta, GA, February 2010
- South Carolina Association of Teacher Educators, Newberry, SC, October, 2009

Recent workshops/institutes/symposia attended:

- SWU Educational Leadership Symposium, Central, SC, July 2012 and 2013
- Mathematics Common Core Standards Training, Columbia, SC, February, 2012

- Call Me Mister Leadership Institute, Clemson, SC, July 2010
- Faith-based Grant Summit, Greenville, SC, May 2010

Recent webinars attended:

- Mathematics Common Core Standards, February 2012
- National Council for the Accreditation of Teacher Education, April 2011
- Title II training, Educational Testing Service, March 2010
- Specialized Professional Association training, National Council of Teachers of Mathematics, November 2010

Courses taught at the University:

- EDUC 3123 Effective Methods for Middle and Secondary School w/ Field Exp
- EDUC 3523 Curriculum, Instruction, Assessment in General and Special Education
- EDUC 4223 Methods of Teaching Mathematics in Secondary/Middle School
- EDUC 5263 Action Research I
- EDUC 5413 Assessment
- EDUC 5463 Action Research II
- EDAS 5323 Educational Leadership for Curriculum and Instruction
- MATH 1053 Quantitative Reasoning
- MATH 2153 Discrete Mathematics
- MATH 3063 Geometry
- MATH 4303 Historical, Philosophical and Ethical Development of Mathematics

Committee and council assignments for the University

- Faculty Development Committee
- General Education Committee
- Master Planning Committee
- Academic Council
- Provost Cabinet
- Spiritual Life Council
- Faculty Excellence Task Force

Leadership related to the University:

- Led an academic missions trip to Ukraine in Fall 2013 with SWU Education honors students.
- Obtained mathematics teaching certification for South Carolina, including taking and passing two Praxis certification examinations: Principles of Learning and Teaching, and Mathematics Proofs, Models and Problems.
- Worked with Planning and Assessment to revise and re-submit the prospectus to SACS for a new Masters of Education program in Administration and Supervision
- Oversaw the inauguration of the Master of Education in Administration and Supervision program across the state

- Developed the new capstone course for mathematics and mathematics education majors, MATH 4303 Historical, Philosophical, and Ethical Development of Mathematics. This course satisfies the QEP 3 requirements for both mathematics and mathematics education. First taught Spring 2014.
- Oversaw the writing and submission of all Learning Outcomes Assessment reports and the Planning and Assessment report for the School of Education each year.
- Facilitated the process of submitting conditions reports to NCATE for Early Childhood Education, English Education, and Mathematics Education, which were all nationally recognized without conditions.
- Finalized an agreement with the State Department of Education wherein SWU education and education-related faculty can receive certification credit for professional activities as a part of their university responsibilities.
- Presented a SWU faculty workshop on Faculty Accomplishments: Presentations and Publications.
- Developed and led teacher professional development on various topics for the faculty of Bethlehem Christian Academy, as a part of a Twenty-first Century grant.
- Conducted a workshop for faculty at Shannon Forest Christian Academy on American Psychological Association (APA) standards for research writing.
- Organized the School of Education Leadership Symposium, July 2012 and July 2013 on the SWU campus. Coordinated bringing Robert Walter in as guest speaker from LeaderSource SGA. Participants included regional educational and chamber of commerce leadership, as well as SWU fulltime and adjunct faculty from both Education and Business
- Facilitated starting partnerships between SWU and Call Me MISTER, Teacher Cadet, and Project CREATE
- Participated as presenter and panel member at numerous SWU preview days
- Participated in Reflections at Rickman each year
- Co-facilitated, with Dr. McLendon, numerous Saturday Chalk and Wire training sessions for education adjunct faculty at SWU learning centers in Central, Greenville and Columbia.
- Facilitated two Saturday NCATE Advisory Council meetings per year with SWU education faculty, cooperating teachers, alumni and current students to review graduate Praxis data and receive recommendations from the education community for improving education programs at SWU.
- Traveled with Dr. Voss and Dr. McLendon to Columbia to defend the School of Education's Center of Excellence grant proposal.
- Represented SWU at bi-monthly meetings of SC deans of education in Columbia.
- Wrote evaluation reports each year for all faculty and staff associated with the School of Education.
- Observed non-tenured, fulltime Education faculty and provided feedback for improvement at least once every year.

Spiritual emphasis:

- Renewal meetings held monthly with Education faculty on faith integration topics
- Discipleship groups for faculty and students held bi-weekly during the year on topics such as the teaching gift and Christian ethic of care
- Addressed faculty and staff at the first division chapel each year
- Conducted a SWU faculty development workshop on servant leadership

Community/missions Leadership

- Elder for two years at Downtown Community Fellowship in Clemson, SC; duties include oversight of home group leaders and preaching
- Board member for one year for Ministry to Educate and Equip, Intl; duties include oversight of the budget and ministry planning
- Annual trips to Ukraine to encourage leadership of the Institute for the Development of Christian Leadership, including facilitating leadership training, examining doctoral students, and assisting with budgeting and ministry planning
- Participated in the Operation Christmas Child initiative of Samaritan's Purse, contributed as an artist to the ONE Art event in Clemson, and coordinated a fundraiser for International Water Missions.