

# Daryl L. Stephens

Department of Mathematics

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## EDUCATION

Doctor of Philosophy, University of Tennessee, 2005. Major: Education, with a primary concentration in math education and a secondary concentration in instructional technology. Dissertation: *Predicting Success of Developmental and Core Mathematics Students at East Tennessee State University*. Major professor: Vena M. Long.

Master of Science, Texas Woman's University, 1993. Major: Mathematics. Professional paper: *Matrix properties of magic squares*. Major professor: Rose Marie Smith.

Master of Education, North Texas State University (now University of North Texas), 1987. Major: Public school administration.

Bachelor of Science in Education, North Texas State University (now University of North Texas), 1983 (*cum laude* with University Honors). Major: Elementary education. Minor: Mathematics.

## PROFESSIONAL EXPERIENCE

1994– *East Tennessee State University*, Johnson City, Tennessee.

Assistant Professor, 2003–, Department of Mathematics. Courses taught:

DSPM 0800 Elementary Algebra

DSPM 0850 Intermediate Algebra

MATH 1720 Precalculus II (Trigonometry)

MATH 1420 Logic, Problem Solving, and Geometry

MATH 1410 Number Concepts and Algebraic Structures

MATH 4417/5417 Teaching Secondary Mathematics

MATH 1980 Seminar in Math and Science (training course for tutors).

Assistant Professor, 1999-2003; and Instructor, 1994-99; Division of Developmental Studies. Courses taught:

DSPM 0700 (formerly DVMA 0710) Prealgebra

DSPM 0800 (DVMA 0810) Elementary Algebra

DSPM 0850 (DVMA 0820) Intermediate Algebra

Also taught precalculus, college algebra, and analysis for business for the math department. (Developmental Studies was abolished as a separate division July 1, 2003.)

- 1993-94 *Macon College* (now Macon State College), Macon, Georgia.  
Temporary (sabbatical replacement) full-time instructor of math, Department of Developmental Studies. Taught basic math and intermediate algebra fall, winter, and spring quarters.
- 1990-93 *Texas Woman's University*, Denton, Texas.  
Adjunct instructor, Department of Mathematics and Computer Science, Summer, 1993. Graduate teaching assistant, Fall, 1990-Spring, 1993. Computer instructor in Texas Prefreshman Engineering Program (TexPREP) for 6th-11th graders, summer, 1990. Courses taught: Introduction to computers, Elementary Analysis I and II (same as college algebra and trigonometry), Introduction to Math I and II, and matrix algebra. Served on committee to select computer literacy textbook and survey students in those classes, 1991-92.
- 1992-93 *Cooke County College* (now North Central Texas College), Gainesville, Texas.  
Part-time instructor, Summer, 1992, and Spring and Summer, 1993 at Denton and Lewisville sites. Taught college algebra twice, precalculus (five semester hour course), and college math. Also substitute night administrator at Denton center. (Denton and Lewisville Centers have since merged into the Corinth Campus.)
- 1992 *Tarrant County Junior College, Northeast Campus*, Hurst, Texas (Now Tarrant County College, Northeast Campus).  
Part-time instructor (developmental math), Fall semester. Taught combined basic math/elementary algebra self-paced section and lecture section of intermediate algebra.
- 1990-93 *Denton Independent School District*, Denton, Texas.  
Substitute teacher, mostly in secondary schools.
- 1984 Summer: Taught computer literacy course in junior high summer school.
- 1983 Summer: Office and classroom aide and substitute teacher in junior high summer school program.
- 1983-90 *McKinney Independent School District*, McKinney, Texas.  
Teacher of seventh grade math, 1983-88 (with three eighth grade sections in 1987-88), and fifth grade (math, science, health, social studies, and art), 1988-90. Acting head of junior high math department, 4th six weeks, 1987-88.

Chair of student awards committee at Faubion Junior High, 1986-87. Member of New Focus core team at Slaughter Intermediate, 1989-90. Chair of Campus Communications Committee, Faubion Junior High, 1987-88. Member of District Communications Committee (advisory to superintendent), 1987-88.

## **CURRENT PROFESSIONAL MEMBERSHIPS**

National Association for Developmental Education (NADE), 1994 –  
 Co-chair and webmaster, Mathematics Special Professional Interest Network (MathSPIN), 2001-03. Chair and webmaster of MathSPIN, 2003 – 07. Math SPIN Webmaster and newsletter editor, 2007 –

Tennessee Association for Developmental Education (TNADE), 1994 –  
 President-elect, 2008-09. East Tennessee representative to executive board, 2003-04 (appointed to fill unexpired position). East Tennessee alternate representative, 2005-06. East Tennessee representative, 2006-07.

National Council of Teachers of Mathematics, 1981 –  
 Tennessee Mathematics Teachers Association, 2000 –  
 Ex-officio on executive board as president of UETCTM, 2006-08.

Upper East Tennessee Council of Teachers of Mathematics, 2002 –  
 Past president, 2008-09; President, 2006-08; president-elect, 2005-06.

American Mathematical Association of Two-Year Colleges, 2002 –  
 Tennessee Mathematical Association of Two-Year Colleges, 2002 –  
 Tennessee Association of Mathematics Teacher Educators, 2006–  
 Appalachian Association of Mathematics Teacher Educators, 2006–  
 Association of Mathematics Teacher Educators, 2007–

## **UNIVERSITY SERVICE AT ETSU**

### **Seminars**

Praxis I math portion preparation workshop for College of Education, September 28, 2006

### **University-Wide:**

Member of student teaching committee for several students.

Selection committee for mathematics education faculty position in the Department of Curriculum and Instruction, 2008

University Housing Contract Appeals Committee, 1998 (?)– present

University Libraries Advisory Committee, 1998-2001 (chair, 2000-01).

Wesley Foundation Board of Directors, 1996-2000

### **Within the Mathematics Department:**

Curriculum Committee, 2003

Selection committee for mathematics education faculty position, 2004  
Selection committee for outreach mathematician, 2006-07  
Member of thesis committee for one master's student (2005-07)  
Chair of thesis committee for one master's student in precollegiate mathematics (2006)  
Chair of committee for one student's senior honors thesis (2007-08)  
Assistant webmaster for math department, 2007-

**Within the Division of Developmental Studies:**

Final Exam Committee, 1996-2003  
Prealgebra Textbook Selection Committee, 1995-96  
Wooten Award Committee, 1997  
Selection committee for new counselor, 1998  
Webmaster for Developmental Studies Division, 1998-2003  
Webmaster for Developmental Studies Program, 2003-

**Service Beyond the University:**

Member of dissertation committee for Gayle Hughes, Liberty University (2008).  
Member of subcommittee to redesign developmental mathematics in the Tennessee Board of Regents System, 2007-  
ACT Math preparation workshop for students at Hampton High School, October 14, 2006.  
Reviewer and technical consultant for T. Armington (2003), *Best Practices in Developmental Mathematics, volume 2*.  
Reviewer for several developmental mathematics books published by McGraw-Hill.  
Volunteer for various duties at several NADE and TNADE conferences (session moderator, registration help, staff display table at NADE booth, etc.).

**PUBLICATIONS** (Peer-reviewed marked with an asterisk)

- Stephens, D. (2007, February). Developmental math labs: East Tennessee State University. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-feb2007.pdf>
- Stephens, D. (2007, February). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-feb2007.pdf>
- Stephens, D. (2006, November). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-nov2006.pdf>
- Stephens, D. (2006, April). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-apr2006.pdf>
- Stephens, D. (2006, January). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-jan2006.pdf>
- Stephens, D. (2005, October). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-oct2005.pdf>
- Stephens, D. (2005, February). Letter from the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-feb2005.pdf>
- Stephens, D. (2004, November). Opportunities for service: A repeat call for help. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-feb2007.pdf>
- Stephens, D. (2004, June). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-june2004.pdf>
- \*Davidson, R., McGill, J., & Stephens, D. (2004, Spring). Creative graphing techniques. *Ohio Journal of School Mathematics*, 49, 36-39.
- Stephens, D. (2004, February). From the Chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-feb2004.pdf>
- \*Stephens, D. (2004). Use cooperative testing for reviews. In T. Armington, ed., *Best practices in developmental mathematics, volume 2*. Findlay, OH: National Association for Developmental Education. (Online version available at <http://www.etsu.edu/devstudy/spin/bp2a.pdf>)
- Stephens, D. (2003, December). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-dec2003.pdf>

Stephens, D. (2003, May). From the chair. *MathSPIN News*. Online at <http://www.etsu.edu/devstudy/spin/nl-may2003.pdf>

Stephens, D. (2003, Winter). MathSPIN news. *NADE Newsletter* 26(1). Online at <http://www.nade.net/documents/Newsltr.Jan.03/NADENEWSLETTERJAN03.htm#MathSpin>

Stephens, D. (2003, April). Developmental studies at ETSU to be decentralized. *TNADE Newsletter* 17(2). Accessed April 23, 2003, from [http://www.mtsu.edu/~awilliam/newsletter/dsp\\_at\\_etsu.htm](http://www.mtsu.edu/~awilliam/newsletter/dsp_at_etsu.htm)

\*Stephens, D. (2003). Pathways through history: underprepared students go to college. In I. Duranczyk and W. White, eds., *Developmental education: Pathways to excellence*. 2003 Monograph of the National Association for Developmental Education, pp. 15-37. Findlay, OH: National Association for Developmental Education.

Stephens, D. (2002, Spring). MathSPIN news. *NADE Newsletter* 25(2).

\*Stephens, D. (1997, September). Media clips (part of column), *Mathematics Teacher* 90(6),452, 454.

\*Stephens, D. (1974, July/August). Beans!!! *Science Activities* 11(3):20-21.

## PRESENTATIONS

Stephens, D. (2008, October 6). Proportionality for middle school. Presentation/workshop at the monthly meeting of the Upper East Tennessee Council of Teachers of Mathematics, Blountville, TN.

Stephens, D. (2008, September 13). Mental math tricks for fun and contests. Presentation at the 2008 meeting of the Southwest Virginia Council of Teachers of Mathematics, Abingdon, VA.

Stephens, D. (2008, May 9). Mental math tricks and more. Workshop for teachers in the Washington County, TN, school system. (Invited)

Stephens, D., & Butler, N. M. (2008, April 18). Redefining developmental math for non-algebra core math courses. Presentation at the Tennessee Mathematical Association of Two-Year Colleges 7<sup>th</sup> Annual Conference, Blountville, TN.

Stephens, D., & Butler, N. M. (2008, February 28). Redefining developmental math for non-algebra core math courses. Presentation at the National Association for Developmental Education 31st Annual Conference, Boston, MA.

Stephens, D., & Dabney, D. (2007, October). You, too, can host a miniconference. Presentation at the Tennessee Association for Developmental Education 23rd Annual Conference, Gatlinburg, TN.

Stephens, D. (2007, September 22). Mental math tricks for fun and contests. Presentation at Tennessee Mathematics Teachers Association Annual Conference, Knoxville, TN.

Stephens, D. (2006, April 8). Teaching mathematics using history and children's literature. Presentation at the Tennessee Association for Developmental Education's East Region Mathematics Mini-conference, Northeast State Technical Community College, Blountville, TN.

Stephens, D. (2006, February). Can demographic data predict student achievement? Presentation at the National Association for Developmental Education 30th Annual Conference, Philadelphia, PA.

Stephens, D. (2005, November 14). Constructing magic squares. Presentation at the Upper East Tennessee Council of Teachers of Mathematics monthly meeting, Elizabethton High School, Elizabethton, TN.

Stephens, D. (2005, October). Using demographic data to predict student achievement.

Presentation at the Tennessee Association for Developmental Education 21st Annual Conference, Chattanooga, TN.

Davidson, R., McGill, J., & Stephens, D. (2005, April). Creative graphing techniques. Presentation at the Tennessee Mathematical Association of Two-Year Colleges 4<sup>th</sup> Annual Conference, Knoxville, TN.

Stephens, D., & Davidson, R. (2005, April). Teaching mathematics using history and children's literature. Presentation at the Tennessee Mathematical Association of Two-Year Colleges 4<sup>th</sup> Annual Conference, Knoxville, TN.

Stephens, D., & Davidson, R. (2005, March). Teaching mathematics using history and fairy tales. Presentation at the National Association for Developmental Education 29th Annual Conference, Albuquerque, NM.

Stephens, D., & Davidson, R. (2004, October). Teaching mathematics using history and fairy tales. Presentation at the Tennessee Association for Developmental Education 20th Annual Conference, Memphis, TN.

Duranczyk, I., & Stephens, D. (2004, March). Don't try this: What *doesn't* work in developmental mathematics. Presentation at the 28<sup>th</sup> annual conference of the National Association for Developmental Education, St. Louis, MO.

Berryman, T., Hopper, M., Miller, T., & Stephens, D. (2003, October 30). The challenge of change: Focus on the future. Opening session of the Tennessee Association for Developmental Education 19th Annual Conference, Chattanooga, TN. (Invited)

Stephens, D. (2003, October 30). Effects of losing 0700 courses on passing rates. Presentation at the Tennessee Association for Developmental Education 19th Annual Conference, Chattanooga, TN.

Stephens, D., Koehler, A., Krech, P., Driver, K., Hawes, K., & Pitts, J. (2003, February 13). Adapting developmental course content to align with changing realities. Panel discussion at the 27th Annual Conference, National Association for Developmental Education, Austin, TX.

Hopkins, T., & Stephens, D. (2002, October 31). In which semester do developmental math students do best? Presentation at the Tennessee Association for Developmental Education 18th Annual Conference, Gatlinburg, TN.

Stephens, D., Koehler, A., Krech, P., Driver, K., Hawes, K., & Pitts, J. (2002, October 31). Adapting developmental course content to align with changing realities. Panel



discussion at the Tennessee Association for Developmental Education 18<sup>th</sup> Annual Conference, Gatlinburg, TN.

Stephens, D. (1999, March). Statistics activities for developmental math classes. Presentation at the National Association for Developmental Education 23rd Annual Conference, Detroit, MI.

Stephens, D. (1998, October 29). Statistics activities for developmental math classes. Presentation at the 14th Annual Conference, Tennessee Association for Developmental Education, Chattanooga, TN.

Davidson, R., Butler, N.M., & Stephens, D. (1998, October 29). Using information technology with developmental math. Presentation at the Tennessee Association for Developmental Education 14th Annual Conference, Chattanooga, TN.

Melendez, E. J., & Stephens, D. (1997, March). The textbook doesn't tell you much about math. Presentation at the 21st Annual Conference, National Association for Developmental Education, Denver, CO.

Melendez, E. J., & Stephens, D. (1996, November 1). The textbook doesn't tell you much about math. Presentation at the 12th Annual Conference, Tennessee Association for Developmental Education, Gatlinburg, TN.

Melendez, E. J., & Stephens, D. (1996, October 25). Students report difficulty in learning mathematics from textbooks. Presentation at the Second National Conference on Research in Developmental Education, Charlotte, NC.

## **TEACHER CERTIFICATIONS**

Provisional Elementary Teaching Certificate: General Elementary (grades 1-8), Texas (issued 1983, lifetime certification)

Provisional Elementary Teaching Certificate: Math (grades 1-8), Texas (issued 1983, lifetime certification)

Computer Literacy (grades 7-8) Endorsement, Texas (issued 1985)

Provisional Secondary Teaching Certificate: Math (grades 6-12), Texas (issued 1993, lifetime certification)