Nathan Smith

RBN 4007
The University of Texas at Tyler
3900 University Blvd.
Tyler, TX 75799

Positions Held

September 2005 - present	Associate Professor of Mathematics, UT-Tyler
July 1999 - August 2005	Assistant Professor of Mathematics, UT-Tyler
May 1997 - May 1999	Senior Graduate Teaching Assistant, Virginia Tech
August 1994 - May 1997	Graduate Teaching Assistant, Virginia Tech

Educational Background

May 1999	Ph.D. Mathematics	Virginia Polytechnic Institute and State University
May 1996	M.S. Mathematics	Virginia Polytechnic Institute and State University
May 1994	B.S. Mathematics	Virginia Polytechnic Institute and State University
May 1996	B.S. Horticulture	Virginia Polytechnic Institute and State University

Refereed Publications

- Mann, C., McCarty, J., McLoud-Mann, J., Ranalli, R., and Smith, N., "Minimal Knotting Numbers", Journal of Knot Theory and its Ramification, Vol. 18, No. 8, pp. 1159-1179. (2009).

- Mahdavi, K., Merton, G., Nguyen, L., Schedler, T., and Smith, N. "Virtually biautomatic groups", Communications in Algebra, Vol. 37, No. 7, pp. 2267-2273. (2009).

- Mann, C., McCarty, J., McLoud-Mann, J., Ranalli, R., and Smith, N., "Metrics in Three-Dimensional Lattices", Journal of Geometry and Graphics, Vol. 12, No. 2, pp. 133-140. (2008)

- Smith, N. "Projective Resolutions from Tensoring Syzygies" Texas College Mathematics Journal, Vol. 1, pp. 10-21. (2002).

Grants Funded

- "Beginning Teacher Induction and Mentoring Grant" $90,000 (20099/10) from the Texas Regional Collaboratives. Co-directors Lamb, J., Sherman, C., and Smith, N.

- "College and Career Readiness Initiative: Mathematics Faculty Collaborative Grant" $10,000 for the creation of an online professional development module (2009/10). From the College and Career Readiness Institute. Co-directors Lamb, J., Sherman, C., and Smith, N.

- From the Texas Regional Collaboratives, $25,000 (Summer 2009) for the creation of an online professional development module.

- "The University of Texas at Tyler Teachers of Mathematics Collaborative," $103,450 (2009/10), Texas Regional Collaboratives Grant. Co-directors Lamb, J., Sherman, C. and Smith, N.

- "The University of Texas at Tyler Teachers of Mathematics Collaborative," $103,345 (2008/9), Texas Regional Collaboratives Grant. Co-directors Lamb, J., Sherman, C. and Smith, N.

- "The University of Texas at Tyler Teachers of Mathematics Collaborative," $169,000 (2007/8), Texas Regional Collaboratives Grant. Co-directors Lamb, J., Sherman, C. and Smith, N.

- "Algebra I and Algebra II Mathematics Teacher Quality Grant," $190,000 (2009/11), Teacher Quality Grant from the Texas Higher Education Coordinating Board. Co-directors Lamb, J., Sherman, C. and Smith, N.

- "Algebra, Technology, and the Problem Solving Process," $92,500 (2004/5) Teacher Quality Grant from the Texas Higher Education Coordinating Board. Co-directors Beverly, L. and Smith, N.

- "New Dimensions: Transforming Geometry through Technology," $78,132 (2003/4), Teacher Quality Grant from the Texas Higher Education Coordinating Board. Co-directors Beverly, L. and Smith, N.

Refereed Conference Papers

- Lamb, J., Sheman, C., and Smith, N., "Online Professional Development Module" at the 15th Annual Texas Regional Collaboratives Meeting, Austin, TX, June/July 2009.

- Mann, C., McCarty, J., McLoud-Mann, J., Ranalli, R., and Smith, N., "Minimal Knotting Numbers", Joint National Meetings of the American Mathematical Society and the Mathematical Association of America, January 2006 in New Orleans, LA.

- Mann, C., McCarty, J., McLoud-Mann, J., Ranalli, R., and Smith, N., "Distance in Three-Dimensional Lattices", Joint National Meetings of the American Mathematical Society and the Mathematical Association of America, January 2006 in New Orleans, LA.

- Beverly, L., Sawyer, C., and Smith, N. "Incorporating on-line testing and tutorials in the calculus curriculum: helping students become more self directed learners," presented at the Joint National Meetings of the American Mathematical Society and the Mathematics Association of America, January 2004 in Phoenix, AZ.

- Kane, T. and Smith, N. "Exempting Earners from the Federal Personal Income Tax and the Relative Size of the Federal Government: An emperical study," presented at the Southwestern Social Science Association Meeting, April 2003 in San Antonio, TX.

- Beverly, L. and Smith, N. "Calculus: Balancing Theory, Applications, Mechanics, and Technology," presented at the Mathematics Association of America Texas Section Meeting, April 2002 in Mesquite, TX.

- Beverly, L. and Smith, N. "The Overlap Product and Cohomology," presented at the Mathematics Association of America Texas Section Meeting, April 2002 in Mesquite, TX.

Pending Grants

- Scholarships for Computer Science, Engineering, and Mathematics Students at the University of Texas at Tyler, $599,984, NSF Division of Undergraduate Education, S-STEM: Scholarships in Sciences, Technology, Engineering, and Mathematics program, pending.