

Jon W. Short

Associate Professor of Mathematics

Department of Mathematics and Statistics

Arts and Sciences

Degrees Earned

Ph.D., Mathematics, Saint Louis University, 2000

M.S., Mathematics, Oklahoma State University, 1996

B.S., Mathematics, Oklahoma State University, 1992

Professional Licensure and Certifications

Peer-Review Publications and Artistic Performances/Exhibitions

Articles

Jon W. Short, *Completions of altered topological subgroups of \mathbb{R}^n* , Int. J. Pure Appl. Math. **30**, no. 4, (2006), pp. 547-560.

Jon W. Short, *Dense arc components in weakened topological groups*, Topology Proc. **29**, no. 1, (2005), pp. 343-359.

Jon W. Short and T. Christine Stevens, *Weakened Lie groups and their locally isometric completions*, *Topology Appl.* **135**, (2004), pp. 47-61.

Books

Chapters

Proceedings

Artistic Performances

Artistic Exhibitions

Research Monographs and Technical Reports

Funded External Grants

Peer-Review Presentations/Posters

Work or Professional Experiences

Sam Houston State University (SHSU) (2007-present)}

Associate Professor of Mathematics and advisor for MS program in Mathematics. Duties as below, but also served and serving on various university and professional society committees.

Sam Houston State University (SHSU) (2001-2007)}

Assistant Professor of Mathematics and advisor for MS program in Mathematics. Taught many courses including: college mathematics, calculus

sequence, trigonometry, introduction to proof, analysis, topology, and transformational geometry (for teachers). Lecture, group-work, and one-on-one formats.

Graphing calculators utilized in calculus sequence. Published research articles, served on various departmental committees, advised students, and serve as Pi Mu Epsilon chapter advisor.

Exxon-Mobile Project NExT Fellow (2002-2003)}

New Experiences in Teaching (NExT) Fellowship. Competitive fellowship that creates a network among junior faculty concerned with both research and teaching. The original fellowship included support for attending meetings and workshops. Other workshops are available at each MathFest and Joint Meeting of the AMS and MAA and address timely trends and new ideas in education and research.

Indiana University (IU) (2000-2001)}

Visiting Assistant Professor. Taught Finite Mathematics. This course included probability and

topics in statistics. Large classes with lecture format predominant. Participated in topology research group.

Indiana University-Purdue University Indianapolis (IUPUI) (1999-2000)\
Associate Faculty. Taught combined College Algebra and Trigonometry. Medium to large sized classes with a large population of "nontraditional" students. Lecture and group-work formats.

Saint Louis University (SLU) (1996-1999)}

Teaching Assistant. Taught College

Algebra, Trigonometry, and Survey of Calculus. Assisted in Calculus I taught for medical students in a "reformed style." Graphing calculators were required in several of these courses and teaching utilized this technology. Classes were relatively small and allowed for integration of lectures, group work, and student presentations of homework problems.

Oklahoma State University (OSU) (1993-1995)}

Teaching Assistant and math lab tutor.

Taught Intermediate Algebra , College Algebra, Trigonometry, and Survey of

Calculus. Large classes with lecture format
predominant.

Honors and Awards

Exxon-Mobile Project NExT Fellow (2002-2003), Sigma Xi, Project NExT Fellowship, Kerr
Research Fellowship,

Mathematics Professor Emeritus Award,

Pi Mu Epsilon,

Phi Beta Kappa Honor Society,

Phi Kappa Phi Honor Society,

AFROTC 4 Year Scholarship,

American Legion Award for Scholastic

Excellence,

President's and Dean's Honor Roll,

Graduate Teaching Assistantships

Other Competencies