

# John W. Snow

## Education

VANDERBILT UNIVERSITY, Nashville, Tennessee  
Ph.D., Mathematics, August 1998  
M.A., Mathematics, May 1996  
Advisor: Ralph McKenzie, Distinguished Professor

CONCORDIA UNIVERSITY, Seward, Nebraska  
B.A., Mathematics, May 1994

## Work Experience

UNIVERSITY OF MARY HARDIN-BAYLOR  
Professor of Mathematics, August 2017-present

CONCORDIA UNIVERSITY, Seward, Nebraska  
Professor of Mathematics, January 2014 - June 2017  
Associate Professor of Mathematics, August 2008 - December 2013  
Assistant Professor of Mathematics, June 2000 - June 2004

SAM HOUSTON STATE UNIVERSITY, Huntsville, Texas  
Associate Professor of Mathematics, August 2007 - May 2008  
Assistant Professor of Mathematics, August 2004 - August 2007

SCHREINER UNIVERSITY, Kerrville, Texas  
Assistant Professor of Mathematics, August 1998 - May 2000

VANDERBILT UNIVERSITY, Nashville, Tennessee  
Research Assistant, Summer 1997, Summer 1998  
Graduate Teaching Assistant, August 1995 - May 1998  
Instructor (Differential Equations), Summer 1996  
BJARNI JONSSON PRIZE FOR RESEARCH 1998  
B.F. BRYANT PRIZE FOR EXCELLENCE IN TEACHING 1998

STEPHEN F. AUSTIN STATE UNIVERSITY, Nacogdoches, Texas  
Mathematics, computer, and science tutor for Department of Athletics  
August 1993 - May 1994

UNIVERSITY OF NEBRASKA, Lincoln, Nebraska  
Research on shape recognition algorithms in NSF sponsored REU  
Summer 1993

# Courses Taught

## UNIVERSITY OF MARY HARDIN-BAYLOR

- Quantitative Reasoning
- College Algebra
- Math for Elementary Teachers I and II
- Calculus I and II
- Analysis
- Abstract Algebra

## CONCORDIA UNIVERSITY

- Elementary Calculus
- Calculus I, II, and III
- Introduction to Statistics
- History of Mathematics
- Mathematical Structures
- Linear Algebra
- Abstract Algebra
- Analysis
- Survey of Contemporary Mathematics
- Cryptography
- Logic
- Concepts of Mathematics II
- JavaScript/HTML
- First Year Seminar

## SAM HOUSTON STATE UNIVERSITY

- College Mathematics
- Calculus Survey
- Calculus I, II, and III
- Introduction to Mathematical Thought
- Algebraic Structures
- Rings and Fields
- Analysis I and II
- Graph Theory
- Abstract Algebra I and II (Graduate)
- Discrete Mathematics (Graduate)

## SCHREINER UNIVERSITY

- College Algebra
- Analysis (Business Calculus)
- Calculus and Analytic Geometry II
- Finite Mathematics with Applications
- Probability I and II
- Abstract Algebra
- Critical Thinking (Interdisciplinary)

## VANDERBILT UNIVERSITY

- Calculus and Analytic Geometry I, II
- Differential Equations

# Committee Service

## UNIVERSITY OF MARY HARDIN-BAYLOR

- Mathematics Search Committee, Fall 2017
- Mathematics Search Committee, Fall 2018-Spring 2019
- Core Curriculum Committee, Fall 2018-Present

## CONCORDIA UNIVERSITY

- Assessment Committee, 2001-2002, 2002-2003 (Secretary), 2003-2004
- Honorary Awards Committee, 2002-2003
- Intellectual Property ad hoc Committee, Fall 2008
- Graduate Council, Fall 2009-Spring 2012
- Business Administration Search Committee Fall 2011-Spring 2012
- Accounting Search Committee Fall 2011-Fall 2012
- Math Club Advisor, Fall 2009-Spring 2014
- Bookstore ad hoc Committee, Spring 2013-Summer 2014
- Mathematics Program Marketing Conduit, Fall 2010-Spring 2017
- Academic Data Team/Strategic Information Team, Fall 2011-Spring 2017
- General Education Committee, Fall 2011-Spring 2017
- Calculus I Dual Credit Liaison, 2013-Spring 2017
- Mathematics Career Path Tracker, Summer 2014-Spring 2017

## SAM HOUSTON STATE UNIVERSITY

- Calculus Textbook Committee 2004-2005
- Mathematics Search Committee 2005-2006
- Mathematics Faculty Evaluation Advisory Committee 2007
- Mathematics MS Revision Committee 2007
- Scholar in Residence Search Committee 2007-2008
- Mathematics Undergraduate Curriculum Coordinator 2005-2008

## SCHREINER UNIVERSITY

- Faculty Affairs, 1998-2000
- Faculty Affairs Subcommittee on Faculty Evaluation, 1998-2000 (Co-chair)
- Honors Committee, 1998-2000

- Faculty Advisory Committee to the President, 1999-2000
- Technology Advisory Committee, 1999-2000
- Financial Aid Committee, 1999-2000
- Faculty Affairs Subcommittee on Technology Policy, 1999-2000

## Research Manuscripts

- **Term operations in the variety generated by  $N_5$ .** *Algebra Universalis*. 80:34 (2019).
- **Lattices of Relations Closed Under the Operations of Relation Algebras.** (With Jeremy Alm, Illinois College). *Algebra Universalis*. 71:187-190 (2014).
- **Reflexive relations on algebras with Boolean lattice reducts.** *Algebra Universalis*. 61:195-199 (2009).
- **Primitive Positive Clones of Groupoids.** *Algebra Universalis*. 60:231-237 (2009).
- **OPC Lattices and Congruence Heredity.** *Algebra Universalis*. 58:59-71, 2008.
- **Almost distributive sublattices and Congruence Heredity.** *Algebra Universalis*. 57:3-14, 2007.
- **A genetic algorithm for drawing ordered sets.** (With B. Loft, Sam Houston State University). *Texas College Mathematics Journal*. 3:10-26, 2006.
- **Subdirect Products of Hereditary Congruence Lattices.** *Algebra Universalis*. 54:65-71, 2005.
- **Relations Compatible with Near Unanimity Operations.** *Algebra Universalis*. 52:279-288, 2004.
- **Congruence modular varieties: commutator theory and its uses.** (With R. McKenzie, Vanderbilt University). *Structural Theory of Automata, Semigroups and Universal Algebra*, proceedings of the NATO ASI, Montreal, 2003.
- **Every Finite lattice in  $V(M_3)$  is representable.** *Algebra Universalis*. 50:75-81, 2003.
- **Generating Primitive Positive Clones.** *Algebra Universalis*. 44:169-185, 2000.
- **A Constructive Approach to the Finite Congruence Lattice Representation Problem.** *Algebra Universalis*. 43:279-293, 2000.
- **Maltsev Conditions and Relations on Algebras.** *Algebra Universalis*. 42:299-309, 1999.
- **Relations on Algebras and Varieties as Categories.** Ph.D. Dissertation. Vanderbilt University. August 1998.
- **Maltsev Conditions.** Ph.D. Qualifying Thesis. Vanderbilt University. September 1996.

## Recent Conferences, Talks, and Exhibits

- Kappa Mu Epsilon Honor Society National Convention  
Frostburg State University, Frostburg, Maryland  
April 11-13, 2019  
Workshop Presented: Paths on Polyhedra
- Texas MAA Section Meeting  
Tarleton State University, Stephenville, Texas  
March 28-30, 2019  
Talk Presented: Growth Minded Grading  
Exhibit: “Round, Recursive, and Blue”
- AMS/MAA Joint Meetings  
Baltimore, Maryland, January 16-19, 2019  
Exhibit Only: “10,001 Digits of Pi” and “Whirls”
- Texas Undergraduate Math Conference  
Stephen F. Austin State University, Nacogdoches, Texas  
November 2-3, 2018  
Exhibit: “Pathways to Symmetry”
- BLAST 2018  
University of Denver, Denver, Colorado  
August 6-10, 2018  
Talk Presented: Term operations in the variety generated by  $\mathbf{N}_5$
- Texas MAA Section Meeting  
El Centro College, Dallas, Texas  
April 5-7, 2018  
Talk Presented: Math. Code. Art.
- AMS/MAA Joint Meetings  
San Diego, California  
January 10-13, 2018  
Exhibit Only: “Lost”
- Texas Undergraduate Math Conference  
University of the Incarnate Word, San Antonio, Texas  
October 20-21, 2017