

NAME: Sarah V. Cook

EDUCATION:

<u>DEGREE</u>	<u>MAJOR</u>	<u>DEGREE GRANTING INSTITUTION</u>
BS	Mathematics	Emporia State University
BS	Computer Science	Emporia State University
PhD	Mathematics	Kansas State University

PROFESSIONAL APPOINTMENTS:

CURRENT: Assistant Professor, Washburn University

PREVIOUS: Instructor, Washburn University
Graduate Teaching Assistant, Kansas State

CLASSES TAUGHT IN PAST TWO YEARS:

College Algebra, Precalculus (Elementary Functions), Calculus I, Calculus II, Differential Equations, Introduction to Real Analysis I, Introduction to Real Analysis II

PUBLICATIONS/PRESENTATIONS/JURIED SHOWS/etc. (past five years)

Publications:

Good- λ Inequalities for Wavelets of Compact Support; Colloquium Mathematicum, Volume 99, Number 1, 2004, pp. 7-18.

Assessing the Mathematics Major with a Bottom-Up Approach, Assessment Practices In Undergraduate Mathematics II, Mathematical Association of America Notes #49, 2004 (to appear).

Faculty Collaboration on Writing-Across-the-Curriculum Assignments: Linking Teaching and Scholarship; Language and Learning Across the Disciplines, Volume 4, Number 1, May 2000, pp. 67-70 (Co-author)

Grandpa's Tricky Triangle, Journal of Recreational Mathematics, Volume 31, Number 4, September 2003, pp. 280-283.

Bridging the Gap: The Transition from High School to College Courses, Bulletin of the Kansas Association of Teachers of Mathematics, Volume 76, Number 2, December 2001, page 5 (Co-author Evelyn Pitts).

Presentations:

Logging Algebra, Kansas Association of Teachers of Mathematics Regional Conference, Topeka, KS, 2004.

The Effectiveness of Projects in Calculus I, MAA Section Meeting, Benedictine College, Atchison, KS, 2004.

Assessing the Mathematics Major with a Bottom-Up Approach, Joint Mathematics Meetings, Phoenix, AZ, 2004.

The Ins and Outs of Undergraduate Research, Joint Mathematics Meetings, Baltimore, MD, 2003 (Co-author Allan Riveland).

Journaling Through College Algebra, Joint Mathematics Meetings, San Diego, CA, 2002

Bridging the Gap: The Transition from High School to College Courses, Kansas Association of Teacher of Mathematics Regional Conference, Friends University, Wichita KS, 2001 (Co-presenter Evelyn Pitts).

The Assessment Function: Looking at Assessing the Math Major from a Numeric, Graphic and Symbolic Point of View, MAA Section Meeting, Emporia State University, Emporia, KS, 2001 (Co-writer Donna LaLonde).

Maximal and Square Functions for Wavelets, Joint Mathematics Meetings, New Orleans, LA, 2001.

Good- λ Inequalities for Wavelets, Joint Mathematics Meetings, Washington, DC, 2000.

Dear Diary, I Went to College Algebra Today. It was Okay. National Council of Teachers of Mathematics Central Regional Conference, Topeka, KS, 1999.

Writing to Learn Mathematics, Rocky Mountain Modern Language Association Fifty-Third Annual Convention, Santa Fe, NM, 1999.

Revitalizing WAC: Innovative Teaching practices, Collaborative Assignment, and the Growth of a WAC Program at Washburn University, Fourth National Writing Across the Curriculum Conference, Cornell University, Ithaca, NY, 1999.

TEACHING INNOVATION PAST FIVE YEARS:

Wrote 6-7 computer labs for Differential Equations.

Wrote 5-6 projects for Calculus I.

Wrote 4-5 Maple assignments for Calculus I.

Wrote 5-6 projects for Calculus II, some involving Maple.

Wrote 5-6 projects for Calculus III, some involving Maple.

Required a journal in College Algebra and Precalculus.

CONTRIBUTIONS TO LOCAL, STATE, AND NATIONAL COMMUNITIES
(including University governance)

UNIVERSITY SERVICE

Undergraduate Probation and Reinstatement Committee (since 1999)

Vice-President of Phi Kappa Phi Washburn Chapter, responsible
for student member nominations (since 1998)

Faculty Development Steering Committee (since 2002)

Disciplinary Hearing Board/Student Conduct Code Judicial Board
(since 2002)

College Faculty Council (since 2002)

Science Facilities Committee (since 2003)

Faculty Mentor (since 2001)

Library Committee, 2000 - 2002

Committee on Undergraduate Retention, 2000 - 2001

Co-organizer and emcee of Coffeehouse Readings, 1999 - 2003

PROFESSIONAL SERVICE

Hospitality Chair of the Kansas Association of Teachers of
Mathematics Regional Conference, 2004.

Member of statewide committee to develop common course
competencies for mathematics courses, 2000 and 2004

Co-chair of Hospitality Committee at the Kappa Mu Epsilon
National Convention, 2001.

Textbook reviewer, *College Algebra Through Modeling and
Visualization* by Rockswold, 2000.

Judge for Kansas Section MAA Undergraduate Paper Competition,
1999 (chair) and 2000.

Co-chair of Hospitality Committee at the National Council of
Teachers of Mathematics Regional Conference, 1999.