

Russ A. Killingsworth
Mathematics
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Vita

EDUCATION

Seattle Pacific University

Doctoral Studies in Mathematics Education (42 quarter credits).

University of Washington

Doctoral Studies in Mathematics Education(70 quarter credits).

California State University, Stanislaus

Masters of Arts degree in Mathematics Education, May 1992.

California State University, Sacramento

Certificate in Secondary Mathematics Education, May, 1987.

Bachelor of Arts in Mathematics, May, 1986.

CREDENTIALS

California Single Subject Credential in Mathematics

Washington Teaching Certificate in Mathematics

UNIVERSITY TEACHING POSITIONS HELD

Assistant Professor of Mathematics

9/96-present

Department of Mathematics

Seattle Pacific University

Seattle, Washington

Teaching graduate and undergraduate courses in mathematics education, including Elementary and Secondary math methods

Teaching upper and lower division mathematics courses, including undergraduate and business Statistics, Contemporary Math, Linear Algebra, Precalculus and Trigonometry, College Readiness Math, Senior Topics, Math for Elementary Teachers, and Senior Capstone Seminar.

Teaching a University Seminar section for incoming freshmen with the topic of Christian Teacher in Secular Society.

Served as developmental Math Lab Coordinator. Schedule lab hours and personnel, train assistants, conduct proficiency testing, counsel and evaluate students.

Serve as advisor to University Seminar students and math majors.

Director of and professor in SPU's Mathematics Endorsement Program, a program that is designed for middle school teachers.
Developed curriculum for new courses and programs.
Facilitated communication between the College of Arts and Sciences and the School of Education on mathematical issues.

Instructor of Mathematics

9/91-8/96
*South Seattle Community College
Seattle, Washington*

Taught math courses from arithmetic through calculus.
Served as developmental math lab coordinator.
Collaborated in integrating technology into the curriculum.

Teaching Associate

3/95-6/95
*University of Washington
Seattle, Washington*

Taught secondary mathematics methods course

Instructor, UW Extension

Summer 1992, 1993
*University of Washington
Seattle, Washington*

Taught a course for middle school students that involved hands-on activities for learning math

Teaching Assistant

9/91-6/94
*University of Washington
Seattle, Washington*

Graduate teaching assistant in elementary math methods, secondary math methods, general secondary methods, elementary science methods, and secondary science methods.
Co-designer of new curriculum for secondary math methods

OTHER TEACHING EXPERIENCE

Mathematics Instructor

6/89-7/91
*Modesto Junior College
Modesto, California*

Taught courses part-time in Arithmetic through Intermediate Algebra

Mathematics Teacher

6/87-6/91
*Patterson High School
Patterson, California*

Taught all levels of high school mathematics.
Academic Decathlon coach for 3 years
Spearheaded implementation of Math A pilot program
Taught junior high school math in summer school
Active in curriculum development and proficiency writing

EDUCATIONAL CONSULTING

Scholar in Residence

9/00-6/03

Highline School District

Burien, WA

Worked with sixth grade teachers in the Highline School District as a resource to them during the adoption period of a new textbook series.

Helped to create and implement a curriculum designed to align the pedagogical content knowledge of the classroom teacher with the content of the new series.

Curriculum Producer

7/94-5/96

Sierra On-Line, Inc.

Bellevue, Washington

Helped develop an elementary software program in mathematics, English, and science called *Adi's Comprehensive Learning System*. Coordinated curriculum development and managed art, sound, layout, and teacher testing of the product

Utilized WWW and on-line providers

Curriculum Writer

6/94-7/94

Montana State University

Bozeman, Montana

Wrote high school mathematics curriculum with Montana's SIMMS (Systemic Initiative in Montana Mathematics and Science) project, ultimately published as SIMMS Math by Kendall-Hunt.

Developed technology-intensive, integrated units based on real-life situations

Curriculum Specialist

7/93-11/93

Videodiscovery Inc.

Seattle, Washington

Served as a mathematics consultant for a middle school mathematics curriculum utilizing interactive compact disc and based on real-life situations called *Math Sleuths*

PRESENTATIONS and WORKSHOPS

10/93

Northwest Christian Schools International Convention

"Geometry for All: Pipe Dream or Cylindrical Possibility"

4/94

National Council of Teachers of Mathematics Annual Convention

Project PASS

4/94

Washington Mathematical Association of Two-Year Colleges

"How do the NCTM Standards affect me?"

10/95

Pacific Northwest Association of Independent Schools

Montana SIMMS project

10/97	Langley B.C. School District Inservice Workshop "What is the Probability of using Statistics?"
10/98	Northwest Math Conference Probability and Statistics in the High School curriculum
10/99	Northwest Math Conference Using technology to perform hypothesis tests in the High School classroom.
4/01	Pacific Northwest section MAA annual meeting Connecting Pedagogy with content in middle school, an interim report.
8/03	Middle School Institute at Seattle Pacific University
10/03	Northwest Math Conference Connecting Pedagogy with content in middle school, a report on successes.
1/05	Association of Mathematics Teacher Educators annual meeting Using problem solving journals in content and methods courses
10/06	Northwest Math Conference Problem Solving and Journaling: A necessary dichotomy
10/07	Northwest Math Conference Philosophies at the Crossroads: Where Do We Go Now?
10/08	Paschal Sherman Indian School, Omak, WA Best practices in math: K-8
10/10	Northwest Math Conference Philosophies at the Crossroads II: Where are we now?

SERVICE and MEMBERSHIPS

Professional Organizations

- Pi Mu Epsilon, honorary mathematics fraternity
- National Council of Teachers of Mathematics
- National Council of Supervisors of Mathematics
- Washington State Mathematics Council
- Association of Mathematics Teacher Educators

University Service

- Regularly attend department, school, and university faculty meetings.
- Served on a committee investigating the implementation of a student learning center.
- Director of the Mathematics Endorsement Program. Involved with curriculum development, alignment with state Essential Learning Requirements, and staffing needs.
- Taught numerous University Seminar classes.
- Member of Faculty Council, Chair of Admissions, Advising and Retention Committee
- Three-year charter member of Erickson Undergraduate Research Conference Steering Committee
- Co-leading a Cadre/student club for Veterans
- Obtained several university Academic Renewal Grants for coursework development and material acquisition.
- Performed teaching evaluations on numerous colleagues and adjuncts in the school.

Service in the Larger Academy

- Board of Examiners examiner for National Council for Accreditation of Teacher Education (NCATE) 2007-present
- Lead Program Reviewer in mathematics for NCATE 2003-present
- Washington State Mathematics Council: Past-President (current), President, Vice President, Regional Director, NCTM Representative
- Co-chair of 52nd Northwest Math Conference in Bellevue, WA
- National Council of Teachers of Mathematics, State Affiliate Representative 2003-2008
- Interviewed by Fox News, King 5, and KVI radio regarding math issues in the state.
- Testified before the State Board of Education on Mathematical issues.
- Member of the standards revision team (SRT) for Washington State

Community and Church Service

- Serving as a Boy Scout leader in a variety of local (Assistant Scoutmaster, Cubmaster), district (finance chair, camporee medical officer), and council (summer camp business manager) capacities. Silver Beaver recipient.
- Volunteered and taught math lessons, and served as a resource in my children's school.
- Served on a school district boundary committee.
- Work as Adult staff with church High School and Junior High program
- Act as a substitute teacher in children's Sunday school classes.
- Worked in 3-year old Sunday school class.
- Minister of music, First Baptist Church, Patterson, CA, 1988-91.
- Minister of music, First Baptist Church, Spring Valley, CA, 1979-83.