

# Curriculum Vitae

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**OBJECTIVE:** To provide students with mathematics instruction that conveys concepts, stimulates thinking, and inspires continued study. To remain on the cutting-edge of mathematics education and continually strive to successfully reach and teach students.

## EDUCATION

I have completed 20 hours toward an Ed.D. in Curriculum and Instruction and Utah State University and will complete the degree Fall 2007.

M.S. - Mathematics, Brigham Young University (1993-95)  
Project: An Analysis of the Fast Wavelet Transform  
as Applied to Certain Finite Difference Matrices

B.S. - Mathematics, Brigham Young University (1986-93)

## EMPLOYMENT

College of Eastern Utah - San Juan Campus, Blanding, Utah, 8/97-Present

TENURED FACULTY - MATHEMATICS - Teaching a variety of live and distance developmental and introductory courses in mathematics, including quantitative reasoning, calculus, and statistics. Creating mathematics program including determining course offerings, providing special problems classes, and managing correspondence-type courses. Managing all mathematics tutorial services including recruiting, training, and supervising tutors. Counseling and tutoring all mathematics students involved in both live and Ed-Net classes.

Utah Valley State College, Orem, Utah, 8/95-7/97

ADJUNCT FACULTY - Taught module-based assessment preparation course, fundamentals of mathematics, beginning, intermediate, and college algebra, and business, differential, and integral calculus. Taught 6 to 15 credit hours per semester. Developed knowledge of instructional strategies and techniques. Committed to employing collaborative learning in the classroom. Used TI and HP calculators to teach concepts in algebra and calculus.

MATH LAB MANAGER - Responsible for the development of a new math lab. Supervised 15-20 tutors. Responsibilities included: recruiting (on- and off-campus), hiring, training, and evaluating tutors. Created and conducted a tutor certification program that was CRLA certified. Directed computer tutorial services for the lab including selecting, installing, and maintaining tutorial software. Managed \$30,000 budget.

Brigham Young University, Provo, Utah, 9/90-7/95

ADJUNCT FACULTY/TEACHING ASSISTANT - 9/93-4/95. Taught intermediate and college algebra. Determined course content and policies. Advised, evaluated, and motivated students. Developed approaches for using computers to help students. Implemented a program that increased college algebra math lab attendance by 140%.

MATH LAB ADMINISTRATOR/INTER.ALBEBRA COORDINATOR - 6/95-7/95. Coordinating instructor for intermediate algebra. Main responsibilities included: determining course structure, teaching, and advising students. As math lab administrator: Supervised 50-60 tutors. Resolved concerns regarding math lab policies with tutors, students, faculty, and staff. Created and analyzed budgets.

MATH LAB ADMINISTRATIVE ASSISTANT - 5/93-5/95. Taught large lecture sections of intermediate algebra. Directed unique group lab sections focused on applications and trained tutors to teach these lab sections. Rewrote all intermediate algebra exams. Reviewed and selected new texts for intermediate and college algebra. Scheduled all 50-60 math lab tutors resulting in nearly 1500 tutor-hours. Assisted in all math lab administrative duties.

MATH LAB TEACHING ASSISTANT - 9/90-5/93. Tutored students enrolled in intermediate and college algebra, trigonometry, differential, integral, and multivariable calculus, linear algebra, and ordinary and partial differential equations. Tutored 40 to 100 students per week. Developed excellent tutorial skills in working with students one on one.

## TEACHING

LIVE CLASSES - The following is a list of courses I have taught live and their frequency:

Basic Math/Pre-Algebra/Arithmetic - 6 semesters.  
Elementary/Intermediate Algebra - 26 semesters. (5 large-lecture sessions)  
Quantitative Reasoning - 7 semesters.  
College Algebra - 35 semesters.  
Trigonometry - 8 semesters.  
Applied/Business Calculus - 7 semesters.  
Calculus - 5 semesters.  
Statistics - 9 semesters.  
Beginning Chess - 12 semesters.  
Intermediate Chess - 12 semesters.

DISTANCE CLASSES - The following is a list of courses I have taught over the EdNet system to anywhere from four to twelve remote sites:

Math 1010 (5), Math 1030 (3), Math 1050 (5), Math 1100 (1), Math 2470 (1)

All of these classes included both traditional and non-traditional students, including concurrent enrollment students.

## **CURRICULUM DEVELOPMENT**

I have developed supplementary material for the following courses to be used in the Native American Studies program:

Math 1030 – Quantitative Reasoning: Materials developed for this course included supplementary study aids using Scientific Notebook.

Math 1050 – College Algebra: Materials developed for this course include Tips sheets designed to help students key topics, computer explorations designed to make use of graphing utilities and computer algebra systems, practice exams to allow for test preparation, web pages to distribute and manage this information, and LiveMath notebooks that allow for interactive mathematics over the web.

I have developed the following courses which have passed through the Curriculum and Instruction Committee:

RecR 2200 Beginning Chess – A course designed to teach the rules of the game as well as some basic opening, middle game, and endgame theory. Additionally, students are introduced to the vast internet resources available to a chess player. As far as I know, no other institution offers a recreational course in chess.

RecR 2210 Intermediate Chess – A course designed for players that are already familiar with the basics of chess. This class introduces students to more advanced theory in the opening, middle game, and endgame. Additionally, students start to explore strategy and tactics.

I have developed presentations in the following areas:

Math Anxiety – A presentation given on a semester basis on campus to students of all math levels. The presentation covers the myths of mathematics, dealing with math anxiety, mathematics study skills, and choosing a math class.

Introduction to Ethnomathematics – A presentation given as part of the 25<sup>th</sup> Anniversary Celebration. Number origins and number words were considered and explored.

Typesetting Mathematics – A presentation given at the Innovation in the Rockies Conference in Wyoming. How to type mathematics and how to present mathematics on a website were covered. MathType 5.0 and Scientific Notebook were used.

## **RESEARCH INTERESTS**

Mathematics Education, including constructivist and distance learning. Numerical and Complex Analysis including Ordinary and Partial Differential Equations. Mathematics History and its uses to improve in-class instruction.

## PROFESSIONAL ACTIVITIES

PROFESSIONAL MEMBERSHIPS - Member of the National Council of Teachers of Mathematics, Mathematical Association of American, American Mathematical Association of Two Year Colleges, and the United States Chess Federation.

COMMITTEE PARTICIPATION - College of Eastern Utah - San Juan Campus.

### Ad-Hoc Committees

- 12/97 Hiring Committee for SBDC Assistant - Hired Susan Foster
- 1/98 Judicial Appeals Committee for Rowena House - Readmitted with stipulations.
- 4-5/98 Strategic Planning Committee Participant - Discussed priorities for CEU-SJC
- 4-5/98 Associate Degree Task Force - Ad-Hoc committee developed from the Strategic Planning Committee in which we discussed the best way to make the Associate Degree available to day, evening, and EdNet students.
- 5/98 Nursing Selection Committee - reviewed candidates applying for admission to the nursing program.
- 5/98 Student Orientation Committee - planned student orientation for Fall 1998 semester. Headed development and implementation of Rope Course (team-building).
- 8/99 Served on Grievance Panel for Eugene Pehrson.
- 3/00 Participated as a judge for the Math Sterling Scholars in Monument Valley.
- 9/01 Student Judiciary Committee
- 10/01 Service Unit Outcomes Report Committee
- 11/01 General Education Computer Literacy Task Force
- 1/02 Retention Committee
- 1/02 Alex Review Study
- 3/02 Mountain Plains Distance Learning Project Training
- 9/02 Professional Development panel member
- 10/02 San Juan Campus Dean Search Committee
- 11/02 Native American Studies Curriculum Development Committee
- 12/02 Christmas Party Committee
- 1/03 Class Matrix Committee
- 2/03 Mandatory Placement Committee
- 3/03 Retention Committee
- 4/03 Mathematics Sterling Scholar Judge at CEU-SJC
- 9/04 Mandatory Placement Committee
- 9/05 Developmental Committee

### Standing Committees

- Associate Degree Task Force - Fall 1998, Spring 1999
- College Senate - Fall 1998, Spring 1999, Fall 1999, Spring 2000
- Faculty Senate - Fall 1998, Spring 1999, Fall 1999, Spring 2000, Fall 2000, Fall 2004, Spring 2005, Fall 2005.
- Commencement Committee - Spring 1999
- Library Committee - Fall 1999, Spring 2000, Fall 2000, Spring 2001, Fall 2002, Spring 2003, Fall 2003
- AA/EEO Committee - Fall 1999, Spring 2000
- Technology Oversight Committee - Fall 2000, Spring 2001, Fall 2001, Spring 2002, Fall 2002, Spring 2003, Fall 2003

Budget Committee – Fall 2002, Spring 2003, Fall 2003  
Cal Black Memorial Scholarship Committee – Spring 2003, Fall 2003-Present

### CONFERENCE ATTENDANCE

11/03 Attended AMATYC National Conference in Salt Lake City, UT  
5/03 Attended Calculus Conference in Grand Junction, CO.  
4/03 Attended Retaining and Graduating Indigenous Students Conference in Albuquerque.  
7/02 Attended Innovation in the Rockies Conference in Wyoming.  
4/02 Attended 2002 NCTM National Conference in Las Vegas.  
4/00 Attended 2000 NCTM National Conference in Chicago.  
4/98 Attended 1998 NCTM National Conference in Washington, D.C.  
4/97 Attended 1997 CCTLA (Community Colleges Tutoring and Learning Association) Annual Conference in San Diego.  
4/96 Attended 1996 National Tutoring Association Conference in Baltimore.

### **TRAINING AND TECHNOLOGY EXPERIENCE**

Extensive training in the following areas: Distance instruction, WebCT, Instructional Technology.

Experience with the following technologies: WebCT (on-line course delivery system), Dreamweaver (web page design), MathType (mathematical typesetting), Scientific Notebook (mathematical typesetting and computer algebra system), LiveMath (computer algebra system that can be used over the internet), Mathematica (computer algebra system).

### **SERVICE**

#### College

Spring 98	Performed the semester conversion for the San Juan Campus.
Spring 98	Developed Math 1030 – Quantitative Reasoning for the San Juan Campus.
2000-Present	Initiated, organized, and supervised campus Chess Club. Including taking the club to tournaments, including the 2002 United States National Chess G/60 Championship in Moab, UT.
2000-2001	Initiated, organized, and supervised campus Golf Club
Fall 2001	Orientation Group Leader
Fall 2001	Faculty Evaluator
Fall 2002,2003	Created curriculum for the Native American Studies Program.
Various Sem.	Presented Math Anxiety Workshop as part of the campus forum program.
Spring 2003	Applied to be a reader for the MSEI Grant.
Sum 02-Pres	Director of the college Summer Experience Program.

#### Community

2000-2001	Served as Vice Chair for the Central Voting Precinct of Monticello, Utah.
2001-Present	Served as Chair for the Central Voting Precinct of Monticello, Utah.
2002	Served as State Delegate representing the Central Voting Precinct of Monticello, Utah.
2000	Served as County Delegate representing the Central Voting Precinct of Monticello,

Utah.

**REFERENCES**

Available upon request.