

James Brennan

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EDUCATION

University of Idaho 1998-2004

Ph.D. Coursework/ABD in Adult Education

Research Emphasis: Vocational Students in Remedial Mathematics

University of Oregon Summer, 1995

Graduate Coursework in Mathematics

Courses: Functions of Complex Variables

Statistical Methods

University of California, Davis 1983-1987

Ph.D. Coursework/ABD in Physics

Research Emphasis: Geometric Algebra and Mathematical Foundations of Physics

Advisor: Dr. Ken Greider

Research Activities: Crocker Nuclear Laboratory

Research Director: Dr. Tom Cahill

Designed and built laser attenuation system for measuring atmospheric particulate carbon

M.S., Physics 1985

Angelo State University 1982

B.S., Physics (Summa Cum Laude)

Minor: Mathematics

Minor: Chemistry

TEACHING CREDENTIALS

(Lifetime) California Community College Instructor Credential in Physics

Idaho Professional-Technical Teaching Certification

Advanced Occupational Specialist Certificate, Related Subjects Endorsement

FULL-TIME TEACHING EXPERIENCE

2009-2010 College of Western Idaho, Full-time Faculty Nampa, ID

Departments: Natural and Physical Sciences; Mathematics

Courses: Physics and Mathematics

- 1997-2009 Boise State University, Senior Instructor Boise, ID
 Applied Academics Division, College of Applied Technology
 Courses: Technical Math and Developmental Math for
 Professional-Technical Students
Also taught distance-learning courses via compressed video and Internet
- 1992-1997 Treasure Valley Community College, Full-time Instructor Ontario, OR
 Courses: Pre-calculus, College Algebra, Preparatory Algebra
 Physical Science, Astronomy, Computer Programming,
 Primary Instructor for first-year physics sequence, and
 Primary Instructor for first-year calculus sequence
- 1991-1992 Los Medanos College, Full-Time Instructor (sabbatical replacement) Pittsburg, CA
 Courses: Physics lecture and lab for both calculus and non-calculus based physics

ADJUNCT TEACHING EXPERIENCE

- 1995-1997 Boise State University Boise, ID
 Courses: Astronomy, College Math, Remedial Algebra
- 1989-1992 Chapman College Travis AFB, CA
 Courses: Algebra II, Analytic Geometry, Calculus II, III and IV
- 1992 St. Mary's College Moraga, CA
 Course: Introduction to Microcomputers for Educators
- 1990 California Maritime Academy Vallejo, CA
 Courses: Physics for Engineers I, II, and III
Developed and equipped the labs for new physics curriculum
- 1987-1991 Diablo Valley College Pleasant Hill, CA
 Courses: Lectures and labs for Descriptive Physics, College Physics, and
 Physics for Engineers
- 1987 Napa Valley College Napa, CA
 Courses: Physics and Modern Physics Lab

PROFESSIONAL ACTIVITIES

Publication/Design

- 2000-2010 Online Textbook at www.jamesbrennan.org
Understanding Algebra
- 2002 Computer Program
 Line-graphing applet include in supplemental CE to Canadian grade 12 textbook,
Mathematics: Preparing for College and Apprenticeship, McGraw-Hill Ryerson, Ltd.

Textbook Reviewer

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|------|---|---------------|
| 2003 | <i>Applications of Mathematics Database,</i> | Prentice Hall |
| 2003 | <i>Mathematics for the Trades, 6 ed.,</i> Pearson/Prentice Hall | |
| 2003 | <i>Technical Mathematics with Calculus, 4th ed.,</i> Wiley Press | |
| 2002 | <i>Learning Math through Applications,</i> Prentice Hall | |

Conference Activities

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|--------------|--|--------------------|
| 1993-present | American Mathematical Association of Two-Year Colleges
Technical Math and AAS Committee Member | |
| 2009-present | American Association of Physics Teachers | |
| 2003 | American Mathematical Association of Two-Year Colleges
Co-Presenter: <i>Placement and Success in Developmental Algebra</i> | Salt Lake City, UT |
| 2003 | American Mathematical Association of Two-Year Colleges
Chair: <i>Foundation/Developmental Mathematics Committee
Network and Sharing Session</i> | Salt Lake City, UT |
| 2001-2003 | American Mathematical Association of Two-Year Colleges
Nominating Committee | |
| 2000 | American Mathematical Association of Two-Year Colleges
Idaho Delegate | Chicago, IL |

Trainings Attended

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| 2000 | Blackboard Learning Systems Workshops: I, II, III and V
Boise State University | |
| 1999 | Simplot-Micron Instruction Technology Summer IT Institute | |
| 1999 | Marketplace Customer Service
Boise State University | |
| 1995 | Deborah Hughes-Hallett's, Calculus Reform Chautauqua
University of Arizona | |
| 1976-1977 | German language
Defense Language Institute, Monterey, CA | |

Conferences Attended

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|------|--|---------------|
| 2010 | American Association of Physics Teachers (AAPT) | Portland, OR |
| 2005 | American Mathematical Association of Two-Year Colleges | San Diego, CA |

2004	American Mathematical Association of Two-Year Colleges	Orlando, FL
2003	American Mathematical Association of Two-Year Colleges	Salt Lake City, UT
2001	American Mathematical Association of Two-Year Colleges	Toronto, Canada
2000	American Mathematical Association of Two-Year Colleges	Chicago, IL
2001	Idaho Professional-Technical Summer Conference	Boise, ID
2000	Idaho Professional-Technical Summer Conference	Boise, ID
1999	Idaho Professional-Technical Summer Conference	Boise, ID
1999	National Council of Teachers of Mathematics	Boise, ID

COLLEGE AND UNIVERSITY SERVICE

2009-2010	Faculty Senate President College of Western Idaho
2010	College Council Member College of Western Idaho
2010	Researched and Compiled College Salary Survey College of Western Idaho
2008-2009	Chair of Applied Academics Division College of Applied Technology, Boise State University
2000-2005	Partners In Education <i>Partnership between College of Applied Technology at Boise State University and the Boise School District. Assisted Shadow Hill Elementary with activities such as Career Day</i>
1999-2009	Chair of Promotion and Tenure Committee College of Applied Technology, Boise State University
1999-2002	Faculty Senator College of Applied Technology, Boise State University
2001-2002	Chair of University Teaching and Learning Technology Roundtable Boise State University

- 2000 Researched and Compiled College Salary Survey
College of Applied Technology, Boise State University
- 1999-2002 Member of University Teaching and Learning Technology Roundtable
Boise State University
- 2003-2004 Chair of University Faculty Senate Professional Standards Committee
Boise State University
- 1999-2004 Member of University Faculty Senate Professional Standards Committee
Boise State University
- 2000-2002 Member of University Core Curriculum Committee
Boise State University
- 2003-2009 Skills USA/VICA Competition Volunteer Judge
- 2002-2009 Advisor for the Bachelor's of Applied Science Program
Boise State University
- 1994-1997 Chapter Advisor for Phi Theta Kappa Honor Society
Treasure Valley Community College

References

Dr. Victor Watson

Executive Vice President of CWI (Ret.)

Previous Director of Applied Academics

Selland College of Applied Technology

Boise State University

Phone: (208) 891-3248 (cell)

Email: victorwatson@cwidaho.cc

Susan Johnson

Director of Dual Enrollment at CWI

Previously Center Manager of Applied Academics

Selland College of Applied Technology

Boise State University

Phone: (208) 562-3247 (work)

(208) 250-6256 (cell)

Email: susanjohnson@cwidaho.cc

Dr. Melanie Reese

Dispute Resolution Coordinator, Idaho Dept. of Education

Faculty Colleague for 10 years at BSU and CWI

Professor Emeritus

Boise State University

Phone: (208) 332-6914 (work)

(208) 409-5050 (cell)

Email: mreese@boisestate.edu