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EDUCATION

Master of Science, Mathematics (Teaching Option), Texas A&M University, College Station, TX.

Master's Thesis Presentation: *The Fibonacci Numbers*, August 2000

Bachelor of Arts, Mathematics with Emphasis in Computer Science with a minor in Education, The Colorado College, Colorado Springs, CO. May 1993

REGULAR POSITIONS HELD

Texas A&M University – Senior Lecturer, Director Online Homework Systems, Aug 2001 – Present.

A&M Consolidated High School – Mathematics Teacher, Aug 1999 – May 2001.

Bryan High School – Mathematics Teacher, Head Girls Volleyball Coach, Assistant Girls Track Coach, Aug 1995 – May 1999.

Jane Long Middle School – Mathematics Teacher, Volleyball and Track Coach, Aug 1993 – June 1995.

ADJUNCT POSITIONS HELD

Blinn College (Bryan Campus) – Mathematics Instructor, Aug 2000 – May 2003.

Texas A&M University – Graduate Teaching Assistant, Department of Mathematics, Summer 1998, Summer 1999, Summer 2000.

MISCELLANEOUS POSITIONS HELD

Group Fitness Instructor – Aerofit Health Clubs Group Fitness Instructor – June 1999 – Present.

Club Girls Volleyball Coach – U14 and U16 Head Coach, December 2002 – June 2004.

Texas A&M University

- National Youth Sports Camp Instructor – Summer 1994, Summer 1995.
- Lady Aggie Volleyball Camp Head Coach – Summer 2003, 2004, 2005.

AWARDS

Texas A&M University

- Student Led Award for Teaching Excellence (SLATE), Fall 2009.
- The Physician's Center Hospital Honorary Guest Coach TAMU Women's Softball, Spring 2009.
- Lecturers Helping Hand Award, January 2009.
- Department of Mathematics Outstanding Service Award, 2009.
- Department of Mathematics Outstanding Teaching Award, 2005.

Other

- Adventure Boot Camp MVP, July 2010
- Aerofit Health Clubs Outstanding Group Fitness Instructor Award, 2005.

PROFESSIONAL ASSOCIATIONS

National Council of Teachers of Mathematics (NCTM) - Member

PROFESSIONAL CERTIFICATES

Teaching

- Texas Secondary Mathematics Grades 6-12 (Lifetime).
- Colorado Secondary Mathematics Teaching Certificate (May 1993 to May 2003).

Other

- Aerobics and Fitness Association of America (AFAA), (June 2003, 2004).
- Moms in Motion Fitness (August 2003).
- 7 Habits of Highly Effective People Level 1 (November 2000) and Level 2 (Jan 2001).
- Algebra I Institute (May 1998).

SERVICE

Texas A&M University

- Appointed Member, Mathematics Department Head Search Committee – 2010.
- Elected Member, Lecture Core Curriculum Committee (2010 – 2011).
- Departmental lunchtime fitness leader – 2009, 2010.
- WebAssign training – 2009, 2010.
- Online Homework Committee - 2008 Chair, 2009 Chair, 2010 Chair.
- PreCalculus content modification and textbook editor – 2009.
- Elected Member, Senior Lecturer Promotion Committee (Subcommittee L) – 2008 Chair, 2009.
- Assisted in overseeing individual help sessions - 2003, 2004, 2006, 2007, 2008.
- Conducted help session interviews – 2003, 2004, 2006, 2007, 2008.
- Textbook committees – 2003, (Math 142), 2005 (Math 142), 2007 (Math 131 Chair).
- Mathematics major mentor – 2005
- Lecturer teaching evaluator (via classroom visits) – 2003, 2004
- Help session (restructure) committee - 2003
- UIL academic meet grader– 2003

Outreach

- Math Advisory Panel for Advanced Instructional Systems – 2010-2011
- Brazos Valley P-16 Council – 2009, 2010

PUBLICATIONS

Articles

Whitfield, J. (2010), *The Insider's Guide to Teaching With Problem Solving Approach to Mathematics*, Pearson, p.10, p. 34, p. 37, p. 39-40, p. 43-47, p. 53-55, p. 59, p. 63-66.

Bollinger, K., Whitfield, J., (2003). *16th Annual International Conference of Technology in Collegiate Mathematics*, Applied Calculus On The Web – An Interactive Approach To Freshman Calculus

Online Modules

Bollinger, K., Epstein, J., Kiffe, T. Pilant, M., Whitfield, J. (2006). *Applied Calculus on the Web*®, Brooks/Cole Publishing – A series of web-based instructional modules for use by Applied Calculus courses.

Online Videos

Whitfield, J., (October 2005), *Finite Mathematics for Business Economics, Life Sciences and Social Sciences* by Barnett/Ziegler/Byleen, and *Finite Mathematics and Its Applications* by Goldstein/Schneider/Siegel, Prentice Hall Publishing Co. for My Math Lab.

REVIEWS

Textbooks

- *Brief Calculus – Practical Applications* (1e) by David B. Johnson, Freeman, (July 2008).
- Comparative Review of *Applied Calculus for the Managerial, Life, and Social Sciences* by Tan, *Applied Calculus* by Larson, and *Applied Calculus* by Barnett/Zeigler/Byleen, Reviewed for Prentice Hall, (May 2005).
- Comparative Review of *Applied Calculus* by Barnett/Zeigler/Byleen and *Calculus and Its Applications* by Bittinger, Prentice Hall, (December 2004).
- *Applied Calculus* by Fox and West, Pearson, (December 2004).
- *Finite Math* by Fox and West, Pearson, (December 2004).
- *Finite Math and Its Applications* by Goldstein, Schneider, and Siegel, Prentice Hall, (December 2004).
- Comparative Review of *Calculus & Its Applications* (10e) by Goldstein/Lay/Schneider vs. *Calculus* (8e) by Hoffmann/Bradley and *Calculus* (8e) by Bittinger. Reviewed for Prentice Hall (April 2004).
- *Calculus for the Managerial, Life, and Social Sciences* (6e) by Tan, Thompson Learning, (September 2003).
- *Calculus: Applications and Technology for Business, Social and Life Sciences* (2e) by Tomastik, Thompson Learning, (November 2002).

Online Resources

- *Applied Calculus Interactive Website* to accompany Waner/Costenoble textbook, Thompson Learning, (June 2007)
- *My ILRN Experience*, prepared for Brooks/Cole Publishing, (May 2004)

PRESENTATIONS

- Whitfield, J. (Oct 2010 – April 2011), *Middle School and High School Mathematics Content Professional Development*, monthly online presentations (via Centra) for Gladewater high school and middle school teachers.
- Whitfield, J. (October 2010), *How Assessment Changes with Handheld Technology*, Katy ISD, Katy, TX.
- Whitfield, J., (April 2010), *Using Problem Solving Strategies for TAKS*, Math Instructional Coaches Program, Gladewater, TX.
- Whitfield, J., (March 2010), *Effective Methods for Teaching Fractions, Measurement, and Proportionality Part 2*, Math Instructional Coaches Program, Gladewater, TX.
- Whitfield, J., (November 2009), *Effective Methods for Teaching Fractions, Measurement, and Proportionality Part 1*, Math Instructional Coaches Program, Gladewater, TX.
- Whitfield, J. (October 2009), *WebAssign Implementation at TAMU*, Austin Community College Math Day, Austin, TX.
- Whitfield, J. (Sept 2009 – April 2010), *Middle School and High School Mathematics Content Professional Development*, monthly online presentations for Gladewater high school and middle school teachers.
- Allen, G.D., Nite, S., Whitfield, J., (August 2009), *Research Based Instruction for Mathematics and Math Coaching*, Math Instructional Coaches Program, Gladewater, TX.
- Ivanov, I., Pizer, A., Rosenfield, S., Roth, V., Scott, M. Dedic, Whitfield, J., (August 2009), *Assessing the Effectiveness of Online Homework*, Math Fest, Portland, OR.
- Whitfield J., Zarestky, J., (June 2009) *Using Online Assessment to Impact Achievement*, Conference for the Advancement of Mathematics Teaching (CAMT), Houston, TX.
- Whitfield J. (June 2009) *WebAssign Implementation at TAMU*. Web-Presentation to Collin County Community College District (CCCCD), Plano, TX.

- Whitfield J. (May 2009) *WebAssign Implementation at TAMU*, San Antonio College Faculty, San Antonio, TX
- Whitfield J. (May 2009) *WebAssign Implementation at TAMU*. Web-Presentation to Palo Alto College Faculty, San Antonio, TX.
- Whitfield J. (March 2009) *WebAssign Implementation at TAMU*. Web-Presentation to New Mexico State University Faculty, Las Cruces, NM.
- Whitfield J. (March 2009), *WebAssign Implementation at TAMU*. El Paso Community College Faculty, El Paso, TX.
- Allen, G.D. and Whitfield J. (March 2009), *Creating Camtasia Movies*. International Conference on Technology in Collegiate Mathematics (ICTCM), New Orleans, LA.
- Nite, S. and Whitfield, J. (March 2007). *Saturday Math TAKS Camp*. Student workshop presented to Hearne High School juniors and seniors who had not passed Exit Level Math TAKS, Texas A&M University, College Station, TX.
- Whitfield, J., Nance, R., (July 2006), *Navigating through the classroom with the TI Navigator*. Conference for the Advancement of Mathematics Teaching (CAMT), Houston, TX.
- Allen, G.D. and Whitfield J. (March 2006), *Using Centra Conferencing Software to Teach Online Courses*, Teacher Quality Technical Meeting, Austin, TX.
- Whitfield, J. (March 2006), *Using the TI Navigator in the Classroom*. Workshop for Early High School math teachers, Early High School, Early, TX.
- Whitfield, J. (December 2005), *Using the TI Navigator in the Classroom*. Workshop for Snook High School math teachers, Snook High School, Snook, TX.
- Allen, G.D., Janes, S., Sledge, S., Whitfield, J (May 2004), *TOT – Using Teacher Quality Grant Type A Precalculus Materials* – Workshop for Teacher Quality grant recipients, High School mathematics coordinators, and other math education educators, Houston, TX.
- Allen, G.D., Janes, S., Sledge, S., Whitfield, J (May 2004), *TOT – Using Teacher Quality Grant Type A Precalculus Materials* – Workshop for Teacher Quality grant recipients, High School mathematics coordinators, and other math education educators, Fort Worth, TX.
- Bollinger, K. and Whitfield, J. (October 2003) – *An Interactive Approach to Freshman Calculus*. International Conference on Technology in Collegiate Mathematics, Chicago, IL.
- Whitfield J. (November 2002), *The Real World of Teaching Public School*, Presented to TAMU Pre-service teachers, College Station, TX.

GRANT AWARDS

- Allen, G.D. (PI), Pilant, M. (CO-PI), Maxwell, D. (CO-PI), Froyd, J. (CO-PI), & Nite, S (CO-PI)., Austin, A. (CO-Investigator), Aurispa, B. (CO-Investigator), Whitfield, J. (CO-Investigator), Zarestky, J. (CO-Investigator), National Science Foundation, Retention Through Remediation: Enhancing Calculus I Success, \$1.15 million (future funding \$829,450 for 2013-2014 contingent upon progress).
- .Allen, G.D. (PI), Nite, S. (Co-PI), Whitfield, J. (Co-PI), Goldsby, D., Texas Higher Education Coordinating Board, Teacher Quality Type B Algebra 1 & Algebra 2, \$218,900, June 2009 – May 2011.
- Allen, G.D., Nite, S., & Whitfield, J. (2009-2011) Contract for Texas Education Agency Mathematics Instructional Coaches Service Provider, Gladewater ISD, \$26,150.
- Allen, G.D., Nite, S., & Whitfield, J. (2008-2010) Contract for Texas Education Agency Mathematics Instructional Coaches Service Provider, El Paso ISD, \$82,000.
- Allen, G.D. (PI), Whitfield, J. (Co-PI), & Goldsby, D., Texas Higher Education Coordinating Board, Teacher Quality Type B Algebra 1, \$82,000, June 2008 – May 2009.
- Allen, G.D. (PI), Whitfield, J. (Co-PI), & Goldsby, D., Texas Higher Education Coordinating Board, Teacher Quality Type B Algebra 2, \$86,998, June 2007 – May 2008.

- Allen, G.D. (PI), Whitfield, J. (Co-PI), & Goldsby, D., Texas Higher Education Coordinating Board, Teacher Quality Type B Algebra 2, \$81,875, June 2006 – May 2007.
- Allen, G.D. (PI), Goldsby, D., & Whitfield, J., Texas Higher Education Coordinating Board, Teacher Quality Type B Algebra 2, \$81,875, June 2005 – May 2006.
- Allen, G.D. (PI), Goldsby, D., Poage, P., & Whitfield, J., Texas Higher Education Coordinating Board, Teacher Quality Type B Pre-Calculus, \$82,000, June 2004 – May 2005.
- Allen, G.D., (PI), Austin, A., Axelson, H., Bollinger, K., & Whitfield, J., Texas Higher Education Coordinating Board, Teacher Quality Type A (Precalculus), \$300,000, January 2004 – June 2004.
- Pilant, M. (PI), Bollinger, K., Epstien, J., & Whitfield, J., Brooks Cole Publishing, *Applied Calculus on the Web*, \$130,000, September 2002 – August 2003.

COURSES/WORKSHOPS TAUGHT

Texas A&M University

- Math 102 - College Algebra
- Math 131 – Mathematical Concepts - Calculus
- Math 141 – Business Mathematics I
- Math 142 – Business Mathematics II
- Math 142 Honors – Business Mathematics II
- Math 131 Honors - Mathematical Concepts - Calculus
- Math 151 – Engineering Mathematics I
- Math 152 – Engineering Mathematics II
- Math 171 – Analytic Geometry and Calculus
- Math 172 – Calculus
- Math 285 – Directed Studies
- Math 365 – Structure of Mathematics I
- Math 485 – High Quality Instruction in PreCalculus
- Math 689 – Special Topics: Teaching Algebra and PreCalculus (Online)
- Week In Review Math 142
- Week In Review Math Math 151
- Week In Review Math 365
- Teacher Workshop - High Quality Instruction in PreCalculus (synchronously delivered online)
- Teacher Workshop - Assuring Excellence in Algebra II Instruction (synchronously delivered online)
- Teacher Workshop - Assuring High Quality in Algebra II Instruction (synchronously delivered online)
- Teacher Workshop - High Quality Algebra II Instruction (synchronously delivered online)
- Teacher Workshop - High Quality Instruction for Algebra I (synchronously delivered online)
- Teacher Workshop - Functions in Algebra 1 & 2 with Vertical Alignment (synchronously delivered online)

Blinn College

- Math 0312 – Intermediate Algebra
- Math 1324 – Mathematics, Analysis I

A&M Consolidated High School

- Algebra 1
- Algebra 2

- Geometry

Bryan High School

- TAAS Math
- Algebra 1
- Algebra 2
- Geometry
- Trigonometry
- Elementary Analysis

Jane Long Middle School

- 7th Grade Mathematics
- 8th Grade Mathematics

TECHNOLOGICAL SKILLS

Software Programs

Microsoft Word, Microsoft Powerpoint, Microsoft Excel, Camtasia, Snag-It, Centra online conferencing, Adobe Acrobat Professional, Macromedia Dreamweaver, Scientific Notebook, TI Connect, SMART Board, TI SmartView, TAMU eLearning.

Computer Languages

Latex, HTML, Pascal, Basic.

Other Technologies

TI 83/84 Graphing Calculator, Calculator-Based Ranger (CBR), Calculator-Based Lab (CBL), TI Navigator system, WebAssign.