

## Curriculum Vitae

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### EDUCATION

Doctorate (PhD) in Education – Leadership for Higher Education, Capella University ([in progress](#))

Master of Arts in the Teaching of Mathematics, University of Texas at Dallas (2003)

Bachelor in Sciences with concentration in Mathematics and Computer Science (1994)

Texas Teaching Certification in Secondary Mathematics (2002)

Puerto Rico Teaching Certification in Secondary Mathematics (2000)

Additional graduate/undergraduate coursework: University of Puerto Rico at Río Piedras Campus, 32 hours in secondary education for Puerto Rico's Teaching Certification, 6 hours in economics, 3 hours in accounting

### TEACHING EXPERIENCE

#### **Mathematics/Developmental Math Professor**

Fall 2004 - current

Eastfield College, Mesquite, Texas

#### **Responsibilities**

Responsible for teaching a full load of 15 hours and some extra service developmental math courses per regular long semester.

**Courses taught:** Developmental courses from basic arithmetic to algebra (DMAT 0066, DMAT 0096-0090, DMAT 0097, DMAT 0098, DMAT 0099); Online developmental math courses (DMAT 0090-0097, 0098, 0099); college algebra (MATH 1314)(Spring 2005), mathematics for elementary and middle school teachers (MATH 1350-1351)(Summer 2005).

#### **Accomplishments AY 2004-2011**

- **DCCCD Basic Leadership Program (Class 2010-2011):** Participated in leadership trainings that support the goals of fostering student success by building and reinforcing the organizational and managerial skills of leaders within the DCCCD. It also help enhanced my personal and professional leadership skills. Graduated October 2011.

- **Math Spot Coordinator:** Some of the responsibilities as the Math Spot coordinator is to (1) Hire qualified tutors for the Math Spot, (2) Mentor and train tutors, (3) Develop the schedule for each semester that the Math Spot tutoring is offered, (4) Analyzed the data collected by tutors through the sign in sheets, so we are able to offer tutoring at the most needed time, (5) Report data analysis to director of Title III. (6) Create the sign-in sheets for students/tutors, (7) Create flyers and other materials needed to advertise the Math Spot tutoring services, and (8) Copy, post and distribute the new tutoring schedule each semester to all students and faculty. (Fall 2006 – present)
- **District Core Curriculum Evaluation Committee member:** Participate in the discussion of creating an assessing document and procedures that will help evaluate the new core implemented in AY 2010-2011. (Fall 2009 – present)
- **EFC Paperless Training Division Coordinator:** Developed and presented trainings on how to transition from paper syllabus and gradebook, to a paperless version. Trained faculty in the software to be used for this task. (2011 – Present)
- **EFC Instructional Council member:** Participate in the discussions of major instructional issues and policies affecting the college. Some of the responsibilities are to formulate and generate ideas and strategies, make recommendations of the improvement of the teaching and learning process and quality of instructional programs to the Dean's and Executive Council when appropriate, and share and exchange information with my department.
- **Developmental Math Online Course Co-Developer:** co-developed four online developmental math course shells (Spring & Summer 2009).
- **DCCCD Developmental Summit Committee member, presenter and participant:** Coodinated and presented sessions for developmental studies faculty on strategies for student engagement, retention and success. Participated on a round table discussion for developmental math across the DCCCD, and several on going developmental math retention programs/efforts (Summer 2009 – Fall 2010)
- **My Math Lab coordinator/trainer:** Create and update all developmental math courses on My Math Lab. Offer training for faculty and students on the use of My Math Lab features for student success. (Spring 2007 – present)
- **Team Eastfield member:** Participated in campus wide college events as well as community events in efforts to attract and recruit students. Prepared and presented information to Hispanic parents and students on the new 4 x 4 high school graduation requirements as well as the importance of completing a higher level of education. Also presented on the process of college admissions and the availability of scholarships and funds for minority students. (Fall 2005 – present)
- **EFC Core Curriculum Committee:** Participate in the discussion of assessment implementation in the math department; build reports to provide evidence of the assessment process in the math department to stockholders; provide feedback to the department regarding new information and procedures to follow as determined by the committee.(Fall 2007-2009)
- **Distance Learning Advisory Committee member:** Coordinated training for the Math Department and other as well in regards to Quality Matters and steps to follow for developing and offering an online course. Provide feedback on the processes of implementation and development of online courses at EFC. (Fall 2007 – 2008)
- **Garland Hispanic College Fair:** Presented information and guided Garland high school Hispanic parents and students on the process of college admissions and the availability of scholarships and funds for minority students. (Fall 2005 – present)
- **Math Club Coordinator:** Facilitated workshops for faculty and students on the use of technology in the classroom, not limited to graphing calculator; created workshops for students in mathematical success; trained students for mathematics competitions. (Fall 2004 – present)

- **Member of the STEP Grant Advisory Team:** Develop ideas that will endorse the use of the STEP grant in the areas of mathematics.(Fall 2008 – 2009)
- **Professional Development Committee member:** Helped put together valid information for a new faculty handbook, prepared a College Spirit Activity for Faculty and Staff, and gave advice for future professional development topics. (Fall 2004 – Spring 2006)
- **Textbook Committee member:** Participated in the selection of books for the developmental math courses (On going responsibility)
- **Eastfield North Campus Committee member:** Participated in the formation and development of the building structure and classes offered in the Garland campus. (Fall 2005 – Spring 2006)
- **Visions of Excellence participant:** Completed in Spring 2006.

### Mathematics Professor

Fall 2008 - Spring 2009

North Central Texas College, Corinth, Texas

#### Responsibilities

Responsible for teaching 3 hours of math courses

**Courses taught:** College algebra course (MATH 1314)

#### Accomplishments

Offered a core course at a satellite campus that will benefit dual credit students

### Developmental Math Associate Professor

Fall 2005 – Spring 2006

Collin County Community Colleges, Plano, Texas

#### Responsibilities

Responsible for teaching 6 hours of developmental math courses

**Courses taught:** Developmental courses from basic arithmetic to algebra (MATH 0305, MATH 0310).

#### Accomplishments

Offered a workshop for students on basic math study skills and what it takes to be successful.

### Mathematics Teacher

Fall 2001 – Spring 2004

Plano ISD, Bowman Middle School, Plano, Texas

#### Responsibilities

Responsible for teaching a full load of pre-algebra and algebra courses

#### Accomplishments

- **Math Competitions Coordinator:** Prepared students for MathCounts Competitions. (Fall 2001-Spring 2004)

- **Staff Recognition Chair:** Prepared a school spirit activity for faculty and staff and recognized them in special occasions; raised \$1000 in gift certificates and school materials to reward outstanding teachers.(Fall 2002- Spring 2003)
- **Student Recognition member:** Help organized a student's recognition ceremony; raised \$250 in gift certificates and school materials to reward outstanding students. (Fall 2001-Spring 2002)

### Substitute Teacher

Fall 2000 – Spring 2001

Plano ISD, Plano, Texas

### Responsibilities

Teach any class from K-12.

### Mathematics Teacher

Fall 1996 – Spring 2000

Colegio Rosa-Bell, Guaynabo, Puerto Rico

Colegio Rosa-Bell is a private institution accredited by the Middle States Association of Colleges and Secondary Schools.

### Responsibilities

Responsible for teaching a full load of middle and high school mathematics courses during regular long semesters and 6 hours of middle and high school mathematics courses per regular summer sessions.

**Courses taught:** Algebra, Trigonometry, Geometry, Pre-Calculus, Calculus and Applied Mathematics

### Accomplishments

- **Math Club Coordinator:** Facilitated workshops for faculty and students regarding the use of technology in the classroom and how to use efficiently the graphing calculator; created and offered workshops for students mathematical success; trained students for mathematics competitions. Organized a Math Week and a Math Fair where all the students from the school K-12 participated in a fun, learning math activity. Organized and sponsored two Math Competitions, where 20 high schools participated in the event. (Fall 1996 – Spring 2000)
- **Textbook Committee member:** Participated in the selection of books for Geometry, Pre-Calculus and Calculus. (Fall 1997- Spring 1999)
- **Curriculum Committee Coordinator:** Designed and updated the curriculum for the following mathematics courses Pre-Algebra, Algebra I & II, Geometry, Trigonometry, Pre-Calculus, Calculus, and Applied Mathematics.

### Mathematics Teacher

Fall 1995 – Spring 1996

Colegio Lourdes, Hato Rey, Puerto Rico

Colegio Lourdes is a private institution accredited by the Middle States Association of Colleges and Secondary Schools.

**Responsibilities**

Responsible for teaching four mathematics courses at a middle and high school levels

**Courses taught:** Basic Arithmetic, Pre-Algebra, Algebra, and Trigonometry

**Accomplishments**

- **Honor Society Coordinator:** Coordinated several charitable events.

**ADMINISTRATIVE EXPERIENCE****Math Spot Coordinator**

Fall 2006 – present

Eastfield College, Mesquite, Texas

**Responsibilities**

Responsible for hiring qualified tutors for the Math Spot; mentoring and training tutors; developing the schedule for each semester that the Math Spot tutoring is offered; analyzing the data collected by tutors through the sign in sheets, so we are able to offer tutoring at the most needed time; reporting data analysis to director of Title III; creating sign-in sheets for students/tutors; creating flyers and other materials needed to advertise the Math Spot tutoring services; and coping, posting and distributing the new tutoring schedule each semester to all students and faculty.

**Accomplishments**

- Grant winner that allowed me to purchase furniture for the Math Spot
- Got sponsorship from Title III Grant to pay for tutors
- Serving hundreds of students than have successfully completed their developmental class thanks to the help received at the Math Spot

**Mathematics Department Coordinator**

Spring 1997 – Spring 2000

Colegio Rosa-Bell, Guaynabo, Puerto Rico

Colegio Rosa-Bell is a private institution accredited by the Middle States Association of Colleges and Secondary Schools.

**Responsibilities**

Responsible for updating the curriculum for Pre-Algebra, Algebra I & II, Geometry, Trigonometry, Pre-Calculus, Calculus, and Applied Mathematics

Supervised and evaluated all the middle school and high school full-time and part-time math faculty (total of 5 employees)

Assessed students' success according to the course objectives per grade level

**Accomplishments**

- Design course syllabi for Pre-Algebra, Algebra I & II, Geometry, Trigonometry, Pre-Calculus, Calculus, and Applied Mathematics.
- Facilitated workshops for faculty and students regarding the use of technology in the classroom and how to use efficiently the graphing calculator.

**ADMINISTRATIVE LEADERSHIP IN STUDENT SERVICE**

**Volunteer**, Eastfield College student registration Fall 2007  
Participated in campus wide phone call registration campaign and assisted in the admission and registration area during report week.

**Volunteer**, Eastfield College Math Spot Fall 2006 - present  
Tutor math students every week during Fall and Spring semesters.

**Volunteer**, Eastfield College student recruitment Fall 2005 - present  
Participated in campus wide college events as well as community events in efforts to attract and recruit students. Prepared and presented information to Hispanic parents and students on the new 4 x 4 high school graduation requirements as well as the importance of completing a higher level of education. Presented the process for college admissions and the availability of scholarships and funds for minority students. Also volunteered to recruit/advise future students during the Texas Fair opening week

**Volunteer**, Eastfield College student recruitment Fall 2005 - present  
Presented a workshop for Garland ISD parents and students during the Hispanic College fair regarding college admissions

**Sponsor**, the Eastfield College Math Club Fall 2004-present  
Facilitated workshops and trainings aimed at student mathematical success (Spring 2005- Fall 2005); created a Mathematical Awareness movement through the promotion of Mathematical Puzzles (Spring 2005- Fall 2005); Training students for Mathematics competitions (Fall 2005-Spring 2006)

**Sponsor**, the Bowman MS Math Club Fall 2001-Spring 2004  
Prepared students for MathCounts Competitions (Fall 2001-Spring 2004); created math puzzles and games for students' enjoyment.

**Sponsor**, the Colegio Rosa-Bell Math Club Fall 1996-Spring 2000  
Facilitated workshops for faculty and students regarding the use of technology in the classroom and how to use efficiently the graphing calculator; created and offered workshops for students mathematical success; trained students for mathematics competitions. Organized a Math Week and a Math Fair where all the students from the school K-12 participated in a fun, learning math activity. Organized and sponsored two Math Competitions, where 20 high schools participated in the event. (Fall 1996 – Spring 2000)

**Sponsor**, the Colegio Lourdes Honor Society Fall 1995-Spring 1996  
Coordinated several charitable events

**DALLAS COUNTY COMMUNITY COLLEGES SERVICES ACTIVITIES**

Member, DCCCD Core Curriculum Evaluation Committee (Fall 2009 – present)  
Member, EFC Instructional Council (Fall 2009 – present)  
Member, EFC Coordinators Committee (Fall 2009 – Spring 2010)  
Member, DCCCD Developmental Studies Summit Committee (Fall 2009)  
Member, EFC Search Committee for Developmental Math Faculty (Spring/Summer 2008)  
Member, EFC Search Committee for Dean of Readiness Division (Summer – Fall 2008)  
Coordinator, DCCCD “Día de la Familia” (Family Day) food committee (Spring 2007)  
Presented, DCCCD “Las Llaves del Exito” (The Keys to Success) (Fall 2007)  
Coordinator, EFC Academic Support & Mathematics Committee booth in SECC Carnival (Fall 2004 – 2007)  
Member, EFC Academic Support & Mathematics Division brochure Committee (Fall 2004)  
Member, EFC Book Committee (Fall 2004 – present)  
Member, EFC Furniture Committee for New Learning Studios building (Fall 2007)  
Member, EFC Professional Development Committee (Fall 2004 – Spring 2006)  
Member, EFC North Campus (Garland) Formation and Development Committee (Spring 2005- Spring 2006)

**PROFESSIONAL DEVELOPMENT**

Attending Capella University Doctoral classes (Summer 2008 – present)  
Attending DCCCD Basic Leadership Program (Class 2010-2011)  
Attending National Association of Developmental Education (Spring 2010) (Spring 2011)  
Attending TCCTA Conference (Spring 2005 – 2011)  
Attended/Presented National Community College Hispanic Council Symposium (Fall 2005)(Fall 2008)  
Attended Texas Section of MAA Conference (Spring 2005) (Spring 2006) (Spring 2008)  
Attended Quality Matters to Improve Online Course (Fall 2007, Spring 2008)  
Attended Pearson/Prentice Hall Faculty Conference (Spring 2009)  
Attended ICTCM Annual Conference (Spring 2009)  
Attended eLearning Conference (Spring 2009)  
Attended Learning Lab and Instructional Technology Workshop (Spring 2008)  
Attended Strategic Performance Management System Training (Summer 2008)  
Attended National Section of MAA Conference (Spring 2006)  
Attended 10th Annual October Mathematics Higher Education Conference (Fall 2004)  
Attended Houghton Mifflin Faculty Programs Math Conference (Spring 2005)(Spring 2006)  
Attended Visions of Excellence (Completed in Spring 2006)  
Attended TACHE 1st Regional Meeting (Fall 2005)

**PROFESSIONAL MEMBERSHIPS**

Member of Texas Community Colleges Teachers Association (2004 – present)

Member of Mathematical Association of America (2004 – present)

Member of National Council of Teacher of Mathematics (2000 – present)

Member of the Eastfield College Faculty Association (2004 – present)

Member of the American Association for Women in Community Colleges, Dallas Chapter (2010-present)

**PHILOSOPHY OF EDUCATION**

My Philosophy of education is based in John Dewey, which he believed that education is a continuous process by which each individual is motivated to expand its own intellect. The goal must be to further uniqueness in each individual and admire the diversity that surrounds them. The individual must learn to be accountable and adaptable during the process of learning. This is achieved by promoting group discussion, critical thinking, positive environment, participation, responsibility and respect. A well prepared lesson allows the introduction of possible applications helping students appreciate the value of the subject.

I truly believe that all students can learn, and approaching the new material through the eyes of discovery makes the learning experience one more enduring.