

## **Cathy Ann Godbois**

P.O. Box 3011, Commerce, TX 75429

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### **Education: Degrees**

University of Texas at Arlington –Arlington, TX

M.S., Mathematics August 1992

B.A., Mathematics, Business Administration minor May 1985

Mountain View College, DCCCD –Dallas, TX

A.A.S., Electronics concentration August 1982

### **Additional Graduate Studies**

University of Texas at Arlington –Arlington, Texas

Coursework: Mathematical Sciences, 69 hours

Coursework: Computer Science and Engineering, 21 hours

Keller Graduate School of Management

Coursework: Finance and Accounting 30 hours

DeVry University

Coursework: Instructional Design, 6 hours

### **Certifications**

Quality Matters, Peer Reviewer

### **Experience**

TAMUC (August 26, 2019 to present)

Ad Interim Instructor Mathematics

- Teach college algebra and math business applications I

Collin College (January 17, 2017 to present)

Full-Time (temporary) Mathematics Faculty (August 14, 2018 to May 17, 2019)

Associate Faculty Statistics/Mathematics (1/17/2017-5/11/2018; 8/26/2019 to present)

- Teach dual credit statistics and college algebra
- Teach contemporary mathematics

Adjunct Faculty Developmental Math/Math

Tarrant County College, Northeast Campus (January 17, 2017 to present)

- Teach computer aided adult education math, statistics, college algebra

Adjunct Faculty Mathematics/Computer Science

Richland College, DCCCD

Adjunct Instructor (August 2013 to present)

- MATH 1332 College Math, MATH 1324 Math for Business and Economics, MATH 1414 College Algebra, MATH 1342/2342 Introduction to Statistics, MATH 1325 Business Calculus, MATH 1370 Business Calculus and Applications II
- COSC 1301 Introduction to Computing

Teaching and Learning Coordinator, Instructor, Course Coordinator, Adjunct Faculty  
Davenport University, Grand Rapids, Michigan

Teaching and Learning Coordinator / Instructor (August 2013 to present)

- Teach four courses per academic year;
- Mentor, support, and assist online mathematics and statistics faculty by performing course readiness checks, answering questions related to course content and delivery, conducting weekly observations of online classes, and providing additional training in the platforms used when needed;
- Collaborate with faculty and department chair to optimize student success and address student concerns;
- Mentor online faculty in the use of best practices and course delivery expectations;
- Review student performance data, identify areas for improvement, implement changes, and evaluate effectiveness of changes in subsequent terms;
- Develop Blackboard and MyMathLab/MyStatLab master course shells, update shells prior to course copying, communicate changes to online course content.

Course Coordinator (August 2008 to July 2013)

- Updated up to six mathematics master course shells prior to course copy;
- Developed/re-developed and maintained Blackboard and MyMathLab master course shells to include design and continuous improvement of all assessments, PPT lectures, discussion questions, course orientation PowerPoints, calendars, etc.;
- Observed online faculty and provided informal mid-session observations;
- Facilitated weekly synchronous problem-solving sessions open to all students enrolled in MATH 125.

Adjunct Instructor (Online) (January 2005 to August 2013)

- CISP 250 Discrete Structures; CISP 241 Visual Basic Programming I, CISP 242 VB Programming II
- MGMT 427 Quantitative Methods
- MATH 120 College Math I, MATH 125 Intermediate Algebra, MATH 140 Finite Math, MATH 320 Statistics, MATH 205 Linear Algebra, MATH 250 Discrete Structures

Adjunct Instructor Math/Computer Science  
Central Texas College (Online) 6/2008-1/2019

Teach the following courses in an online format:

- COSC 1300/1301 Intro to Computing, ITSC 1409 Integrated Software Apps I, and INTW 1437 Intro to the Internet (JavaScript, CSS, HTML), ITSC 1405 Intro to PC Operating Systems
- MATH 1414 College Algebra, MATH 1332 Contemporary Mathematics

Adjunct Instructor Math and Management Information Systems  
Northwood University 8/2013 to 5/2014

Teach the following courses in a face-to-face format:

- MIS 1200 Introduction to Programming
- MATH 1150 College Algebra

Adjunct Instructor Math  
Grayson College 8/2013 to 12/2013

Teach the following courses in a face-to-face format:

- MATH 0420 Mathematical Literacy for College Students, MATH 1314 College Algebra

Visiting Professor/Independent Contractor/Online Program Architect/Course Architect  
DeVry University (Online)

Visiting Professor, Independent Contractor (August 2003 to December 2011)

- CIS 115 Logic Design, CIS 120 Programming Logic and Design (VB .NET), CIS 247A OOP with Lab (C#), CIS 170B Programming w/ Lab (VB), CIS 270/275 OOP I/II with Lab (C#), CIS 301A Advanced OOP with Lab (C#)
- Facilitated weekly synchronous sessions open to all students in CIS 247A (C#)

Online Program Architect (July 2007 to July 2010)

- Continuous development of an online program (C# and VB programming) and programming foundation course (Logic Design) to assure quality and currency.

Course Architect (November 2005 to July 2007)

- Continuous development of several online courses to assure quality and currency: CIS 301A Adv OOP, CIS 247A OOP w/ Lab, CIS 115 Logic Design, CIS 270 OOP I.

Adjunct Instructor of Math  
Kaplan University (Online) 7/2007-5/2010

Teach the following courses in an online format:

- MM305 Quantitative Methods, MM260 Linear Algebra, MM207 Statistics, MM218/204/201 College Algebra, and MM150 College Mathematics

Adjunct Math Instructor  
Florida Community College at Jacksonville (Online) 10/2004-8/2009

Teach the following in an online format:

- MAC 1105 College Algebra, MAC 2233 Applied Calculus.

Independent Contractor/Adjunct Faculty  
Ellis College (Online) 3/2005-4/2006

Teach the following courses in an online format:

- EBDA 641 Managerial Decision Models and MATH 151 Business Calculus

Computer Information Systems Instructor (August 2002 to May 2003)  
Kingwood College, NHMCCD

Teach the following courses:

- Logic and Design, C++ Programming, and VB .NET Programming (online)
- C# Programming (developed/taught online)
- Logic and Design and Intro to Computers (face-to-face)
- C++ Programming, VB .NET Programming (developed/taught blended formats)

Associate Professor (tenured), Math/Computer Science Coordinator  
Lancaster Campus, Harrisburg Area Community College (August 1993 to August 2002)

Math/Computer Science Coordinator Lancaster Campus (January 1999 to August 2002)

- Scheduled mathematics, computer science, physics, and physical science courses;
- Interviewed, hired, and assigned adjunct faculty for math and computer science;
- Conducted class observations of adjunct math and computer science instructors;
- Conducted departmental meetings during adjunct faculty orientation.

Associate Professor (tenured) (August 1993 to August 2002)

- Visual Basic Programming I and II, JAVA Programming, C Programming, Object Oriented Programming (C++) (online/face-to-face/blended)
- Introduction to Statistics, Principles of Mathematics (online)
- Computer Science I and II (FORTRAN/Pascal) (face-to-face)
- Introduction to Statistics, Principles of Mathematics, Applied Calculus, College Algebra, Calculus I, II, III, Pre-calculus, Trigonometry, Quantitative Business Analysis, Linear Algebra, Differential Equations (face-to-face and broadcast formats)
- Fundamentals of Electricity and Electronics (face-to-face)
- Intro to Physical Science I (co-taught)
- Developed the college's first online program (Application Developer)

College Service at Harrisburg Area Community College 8/1993-8/2002

- Faculty advisor mathematics and computer science majors (1993-2002).
- Faculty advisor to the Veterans and Non-Traditional Students Club (1998 - 1999)
- Faculty advisor to the Linux Club (2000 to 2002)
- Chaired College Budget Committee (1996-1999)
- Faculty Chair College Budget Committee (1999-2002)
- Faculty Chair Compensation Committee (1997-2002)
- Conducted ten-year review of faculty compensation (designed database/program, analyzed results; and wrote a detailed report) (spring 1999)
- Developed curriculum for an NSF funded interdisciplinary course non-STEM students
- Developed a linked Honors College Algebra/Physical Science sequence.
- Served on Faculty Steering Committee/Faculty Council (1995-2002)
- Served on the President's Extended Cabinet (1997 - 2001).
- Served as Commencement Faculty Marshal (twice)
- Chaired Screening Committee Academic VP and VP Finance Search Committee
- Served on Associate Dean Lancaster Campus Search Committee, faculty search committees, and textbook selection committees

Graduate Assistant

The University of Texas at Arlington, Arlington, TX (9/89-8/93 and 9/85 to 8/88)

- Full responsibility to teach Calculus I, II, or III, Numerical Analysis I, Linear Algebra, and Linear Optimization

Associate Instructor of Math

Collin County Community College, Plano, Texas (1/93-5/93)

- College Algebra and Trigonometry

Adjunct Instructor of Mathematics

Mountain View College, Dallas, Texas (1/91-8/93)

- Elementary Statistics, Calculus II, Intermediate and College Algebra, Trigonometry

Instructor of Mathematics

USC, Coastal Carolina College, Conway, SC (9/88 to 6/89)

- Calculus I/II, Calculus for Business and Social Sciences, Intermediate/College Algebra

### **Grants/Contracts for Online Course Development/Redevelopment**

Davenport University: May/June 2013 College Initiative

- Converted fifty course master shells to revised master shell format

DeVry University Online: 2004-2007 Contracts for course Developments/Redevelopments

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|--|--|
| • CIS 301A Advanced OOP (new) \$1,830  | • CIS 115 Logic Design (new) \$2,840     |
| • CIS 247A OOP w/ Lab (new) \$2,450    | • CIS 270 OOP I (redevelopment) \$1,000  |
| • CIS 301A OOP (redevelopment) \$1,900 | • CIS 247A OOP I (redevelopment) \$1,900 |

Harrisburg Area Community College's Technology Grants (2000)

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|-----------------------------------|-------------------------------|
| • Online Java Programming \$2,040 | • Online OOP using VB \$2,040 |
| • Online C++ Programming \$2,040  |                               |

Harrisburg Area Community College's Summer Instructional Grants (1999/2001)

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|--|--|
| • Enhancing Online Math 111 \$1,050    | • Online Math for Liberal Arts \$1,360 |
| • Enhancing Online Math 110 \$1,050    | • Online Visual Basic I \$2,040        |
| • Online Elementary Statistics \$2,040 |  |

NSF CCLI project: Mathematical Activities Using JavaBeans (1999-2000)

- One of twenty-mathematics faculty selected in a national search to develop mathematics related java applets designed to enhance online curricular materials.

## **Other Grants Awarded**

National Science Foundation Instrumentation and Laboratory Improvement ILI-IP  
Matching funds for the purchase of equipment for the lab component of the course  
developed with the support of a NSF ILI-Leadership in Laboratory Development grant.  
Title: Laboratory Components of an Interdisciplinary Course in Quantitative and Scientific  
Literacy \$9,574

National Science Foundation Leadership in Laboratory Development ILI-LLD  
Funding to develop curriculum, textbook, and laboratory manual for an interdisciplinary  
course in quantitative and scientific literacy as an alternative to a traditional college algebra  
course.  
Title: An Interdisciplinary Course in Quantitative and Scientific Literacy \$86,950

HACC Summer Instructional Development Grants  
1998 A Calculator Based Laboratory Manual for Engineering Physics \$750  
1997 A Survey of Mathematics Course for Technology Students \$1, 920  
1997 Development of a Course and Course Competencies in Computer Literacy \$1, 920  
1996 Lab Manual for Pre-calculus \$1,200  
1996 Lab Manual for CPS 113 (QBasic) \$800  
1996 A New Approach to Trigonometry \$900  
1996 An Interdisciplinary Course in Quantitative and Scientific Literacy \$800  
1996 Active Learning Projects in Elementary Statistics \$300  
1995 A Laboratory Approach to Functions \$1,800  
1995 Applications for Quantitative Business Analysis \$600

## **Presentations Related to Online Teaching**

International Conference on Technology in Collegiate Mathematics (ICTCM)

- Invited Professional Development Short Course "Teaching Teachers – It is Not Elementary!"  
May 23-26, 2005 in Pasadena, TX
- 2-hour computer mini-course, "Web Enhanced Courses: Creating One Using Bb"  
1 November 2003 in Chicago, Illinois
- 4-hour faculty development workshop, "Developing an Internet Course: A First Step"  
3 November 2002 in Orlando, Florida
- 4-hour faculty development workshop, "Creating an Internet Course: A First Step"  
3 November 2001 in Baltimore, Maryland
- Invited 4-hour faculty development workshop, "Internet Enhanced Courses"  
19 November 2000 in Atlanta, Georgia

The American Mathematical Association of Two-Years College's Annual Conference

- 2-hour workshop "Basics of HTML: Building an Interactive Webpage"  
16 November 2002 in Phoenix, Arizona
- 1-hour session "Online Introductory Statistics"  
16 November 2001 in Toronto, Canada

## **Other Presentations**

Achieving the Dream's Annual Conference Dream 2016

- Panel Presentation "Faculty Designed Coaching and Mentoring Centers: A Model for Student Success"  
18 February 2016 in Atlanta Georgia

International Conference on Technology in Collegiate Mathematics (ICTCM)

- 1-hour session, "College Algebra: Simple Changes to Improve Student Learning,  
17 November 2000 in Atlanta, Georgia

The American Mathematical Association of Two-Years College's Annual Conference

- 2-hour workshop "College Algebra: Simple Changes to Improve Student Learning"  
9 November 2000 in Chicago, Illinois
- 2-hour workshop "Functions: Exact to Experimental to Real World Data"  
21 November 1999 in Pittsburgh, Pennsylvania
- 2-hour workshop "Exponential Functions: Exact to Experimental to Real World Data"  
5 November 1998 in Portland, Oregon
- 2-hour workshop "Laboratory Experiments in the Mathematics Classroom"  
16 November 1997 in Atlanta, Georgia

National Council of Teachers of Mathematics Annual Meeting

- 3-hour mini-course "Making Connections by Integrating Statistics and Algebra"  
15 April 2000 in Chicago, Illinois
- 3-hour mini-course "An Applications and Modeling Approach to Functions"  
2 April 1998 in Washington, D.C.

Annual Meeting of the National Institute for Staff and Organizational Development

- 1-hour session "College Algebra: Simple Changes to Improve Student Learning"  
29 May 2000 in Austin, Texas
- 1-hour session "An Alternative to College Algebra"  
25 May 1998 in Austin, Texas

## **Other Professional Activities**

Co-Chair 2nd National Teaching, Learning, and Technology Conference March 2001  
Lancaster Campus - HACC in Lancaster, Pennsylvania

Organizer: Mathematical Association of America's Mathfest Contributed Paper Sessions

- "Innovative Ideas for Student Collected Data." in Toronto Canada, July 1998
- "The Incorporation of Statistics in Non-Statistics Mathematics Courses" in Atlanta, Georgia, August 1997.

## **Awards**

1997 National Institute for Staff and Organizational Development (NISOD)

- Excellence Award for "outstanding contributions to teaching and learning."
- 1985 Recipient of UTA's Award for Excellence in Mathematics