

GEORGE CLIFTON WINGARD

Home Address:
P. O. Box 4255
Cleveland, MS 38732

(662) 846-7041

e-mail: cwingard@deltastate.edu

Work Address:
DSU Box 3224
Delta State University
Cleveland, MS 38733
(662) 846-4510

EDUCATION:

Ph.D. The University of Mississippi May 1995

Dissertation Title: Properties and Applications of the Fibonacci
Polynomial of a Graph

Dissertation Directors: Dr. William Staton
Dr. Glenn Hopkins

M.S. The University of Mississippi May 1991
Major: Mathematics

B.S. Belhaven College May 1985
Major: Mathematics
Minors: Chemistry
Secondary Education

EXPERIENCE:

Professor of Mathematics Delta State University August 2007 - present

Associate Professor of Mathematics Delta State University August 2001 – July 2008

Assistant Professor of Mathematics Delta State University August 1996 - July 2001

Courses Taught:	Intermediate Algebra	Calculus II
	College Algebra	Calculus III
	Trigonometry	Discrete Mathematics
	Finite Mathematics	Modern Algebra
	Business Calculus	Number Theory
	Calculus I	Senior Seminar

<u>Assistant Professor of Mathematics</u>	Oklahoma Baptist University	1995 - 1996
Courses Taught:	College Algebra College Trigonometry	Contemporary Mathematics Business Calculus
<u>Graduate Instructor</u>	The University of Mississippi	1990 - 1995
Courses Taught:	College Algebra Business Calculus	Elementary Statistics Calculus I with a computer laboratory component
<u>Mathematics Teacher</u>	Calhoun County School District Calhoun City High School	1987 - 1990
Courses Taught:	Algebra I Algebra II	Geometry Advanced Mathematics

PUBLICATIONS:

Staton, W. and Wingard, G. C. Independent Sets and the Golden Ratio, The College Mathematics Journal **26** (1995) 292 - 296.

Staton, W. and Wingard, G. C. On Line Graphs of Bipartite Graphs, Utilitas Mathematica **53** (1998) 183 - 187.

Staton, W. and Wingard, Clifton Second Order Recursion Relations, Independent Sets, and Vertex Reduction (Submitted to Ars Combinatoria for review, Fall 2006).

PRESENTATIONS:

Contributed Paper at Louisiana/Mississippi MAA Section Meeting—Spring 1995
"Fibonacci Numbers and Independent Sets in Graphs"

Contributed Paper at Oklahoma/Arkansas MAA Section Meeting—Spring 1996
"Fibonacci Identities and Independent Sets in Graphs"

Poster session at ICTCM—Reno, Nevada—November 7 – 10, 1996
"Approximating with Technology in Business Mathematics Courses"

Invited address at the mathematics faculty colloquium at The University of Mississippi—Spring 1997
"Changing the Curriculum: Assessing the Need and Effecting the Change"

Extended Session at NCTM Southern Regional Conference—Mobile, Alabama—March 16 – 18, 2000
"Calculus Is More than Formulas"

Contributed Paper at Joint Mathematics Meetings—New Orleans, Louisiana—January 10 – 13, 2001
"Enhancing Student Learning and Perceptions in Calculus Using Internet Based Projects"

Workshop at NCTM Central Regional Conference—Paducah, Kentucky—October 11, 2002 "Conquering Calculus Concepts"

Workshop at NCTM Annual Meeting—San Antonio, Texas—April 11, 2003 "On the Road to Calculus: Exploring Fundamental Concepts"

Workshop at NCTM Annual Meeting—Philadelphia, Pennsylvania—April 23, 2004 "Navigating from Algebra to Calculus"

Workshop at NCTM Annual Meeting—Anaheim, California—April 7, 2005 "An Algebraic Introduction to Derivatives and Integrals in Calculus"

Session at MCTM Annual Meeting—Jackson, Mississippi (Northwest Rankin High School)—November 4, 2005 "Introducing Calculus Topics"

Workshop at NCTM Annual Meeting—St. Louis, Missouri—April 27, 2006 "Investigating Elementary Concepts of Calculus"

Workshop at NCTM Annual Meeting—Atlanta, Georgia—March 22, 2007 "Mastering Calculus Concepts by Building on a Foundation of Algebra"

Workshop at MCTM Annual Meeting—Columbus, Mississippi (Mississippi University for Women)—October 8 – 9, 2007 "Some Problems in Discrete Mathematics"

Workshop at NCTM Annual meeting—Salt Lake City, Utah—April 10, 2008 "1!, 2!, 3!, 4! . . . Let's Count!" (upcoming)

HONORS:

2005 HEADWAE Award (Higher Education Appreciation Day—Working for Academic Excellence)

Athletic Alumni Association Appreciation Award—May 2, 2006

Faculty Prize in Teaching—February 23, 2007

PROFESSIONAL MEMBERSHIPS:

American Mathematical Society
Mathematical Association of America
Mississippi Council of Teachers of Mathematics
National Council of Supervisors of Mathematics
National Council of Teachers of Mathematics

MEMBERSHIPS IN HONORARY SOCIETIES:

Sigma Zeta National Science and Mathematics Honor Society

Kappa Mu Epsilon Mathematics Honor Society

Omicron Delta Kappa National Leadership Honor Society

Alpha Sigma Lambda Honor Society

PROFESSIONAL SERVICE

In service to professional organizations, I have been named to several committees in the LA/MS Section of the MAA. I was the MS Vice Chair for 2000-2001 and have served on the Locations and Nomination Committee, as member and chair of the Mathematics Concerns Committee, as member and chair of the Necrology Committee, and newsletter editor (2004 – present). I have also served as the departmental liaison to the MAA in its liaisons program.

While at Delta State University, I have served on three departmental committees. The Curriculum Committee has evaluated both the BS and BSE programs during this time. The Graduate Committee has also had the task of studying the feasibility of continuing the program due to the lack of interest among qualified participants and the shortage of students qualified to enter the program. I have also served on the Library Committee.

In service to the department, I helped to design the departmental brochure along with Drs. Potts and Rodgers. Since that time, I worked with Public Relations to design a new departmental brochure for the 2004 – 2005 academic year. I have also designed and have the responsibility of maintaining the departmental web page. I am the faculty sponsor for the Delta State University student chapter of the Mathematical Association of America. In conjunction with this and with my involvement with MAA, I have carried students to the team competition that is held at the LA/MS section meeting each spring since 1999. Because of financial circumstances, no team was taken to the section meeting in 2004. I regularly represent the department at on- and off-campus recruiting functions sponsored by Delta State University and IHL. I have also accompanied students as they visited graduate programs.

I have served on three university committees during my time here. I have served on the Special Programs Committee since the fall of 1997. I have been the departmental library liaison since the fall semester of 1997. I was appointed to the Honors Committee in the fall of 2000, and served on that committee for one year. I also was appointed to the Housing and Residence Life Academic Advisory Committee in the fall of 2000 and continue to serve on that committee. In addition to the committees listed previously, I served on the Inaugural Steering Committee (2003 – 2004) which planned the activities for the inauguration of President John M. Hilpert.

ADDITIONAL ACTIVITIES:

In addition to my regular responsibilities at the university, I have played in the summer band with the student musicians each summer from 1998 through 2003, I played with the Wind Ensemble during the spring semesters of 2003 – 2005, and I played with the clarinet ensemble under the direction of Dr. Deborah Andrus in the spring 2001 semester. I was the piano accompanist for student saxophonists Jennifer Usry and Karen Van Devender in their recital in July 2000. I have also performed with the Delta State Choral Union in the fall semesters of 1999, 2000, and 2001.

In terms of community involvement, I am a member of Covenant Presbyterian Church. My training as a musician is used throughout this area. I have had the privilege of substituting for organists in area churches, and I have been called on to play the piano for organizations such as the United Daughters of the Confederacy. I have also accompanied the Clarksdale Choral Society.

COURSES TAUGHT BY SEMESTER AT DELTA STATE UNIVERSITY

Fall 1996	MAT 104	<i>College Algebra</i>	
	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 205	<i>Unified Calculus and Analytics</i>	
Spring 1997	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 205	<i>Unified Calculus and Analytics</i>	
	MAT 443	<i>Number Theory</i>	
Summer 1997	MAT 610	<i>Analysis</i>	First Session
	MAT 104	<i>College Algebra</i>	Second Session
Fall 1997	MAT 104	<i>College Algebra</i>	
	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	(2 sections)
	MAT 206	<i>Unified Calculus and Analytics</i>	
Spring 1998	MAT 104	<i>College Algebra</i>	
	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 206	<i>Unified Calculus and Analytics</i>	
	MAT 490	<i>Senior Seminar in Mathematics</i>	
Summer 1998	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 443/543	<i>Number Theory</i>	
Fall 1998	MAT 104	<i>College Algebra</i>	
	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 205	<i>Unified Calculus and Analytics</i>	
Spring 1999	MAT 121	<i>Finite Mathematics and Introduction to Calculus</i>	
	MAT 206	<i>Unified Calculus and Analytics</i>	
	MAT 443	<i>Number Theory</i>	
	MAT 490	<i>Senior Seminar in Mathematics</i>	
Summer 1999	MAT 105	<i>Plane Trigonometry</i>	
	MAT 425/525	<i>Modern Algebra</i>	
Fall 1999	MAT 104	<i>College Algebra</i>	
	MAT 203	<i>Business Calculus</i>	(2 sections)
	MAT 206	<i>Unified Calculus and Analytics</i>	

Spring 2000 MAT 203 *Business Calculus*
 MAT 206 *Unified Calculus and Analytics*
 MAT 492 (415) *Discrete Mathematics*
 MAT 490 *Senior Seminar in Mathematics*

Summer 2000 MAT 105 *Plane Trigonometry*

Fall 2000 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*
 MAT 205 *Unified Calculus and Analytics*
 MAT 104 *College Algebra* (EBBA)

Spring 2001 MAT 205 *Unified Calculus and Analytics*
 MAT 443 *Number Theory*
 MAT 490 *Senior Seminar in Mathematics*

Summer 2001 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*

Fall 2001 MAT 099 *Intermediate Algebra*
 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*
 MAT 205 *Unified Calculus and Analytics*

Spring 2002 MAT 205 *Unified Calculus and Analytics*
 MAT 207 *Unified Calculus and Analytics*
 MAT 415 *Discrete Mathematics*
 MAT 490 *Senior Seminar in Mathematics*

Summer 2002 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*

Fall 2002 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*
 MAT 206 *Unified Calculus and Analytics*
 MAT 425 *Modern Algebra*

Spring 2003 MAT 206 *Unified Calculus and Analytics*
 MAT 207 *Unified Calculus and Analytics*
 MAT 443 *Number Theory*
 MAT 490 *Senior Seminar in Mathematics*

Summer 2003 MAT 104 *College Algebra* First Session
 MAT 300 *Applied Probability and Statistical Methods* Second Session
(These classes were taught at the Clarksdale hospital to the nurses in the RN-BSN program.)

Fall 2003 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*
 MAT 205 *Unified Calculus and Analytics*

Spring 2004 MAT 205 *Unified Calculus and Analytics*
 MAT 207 *Unified Calculus and Analytics*
 MAT 415 *Discrete Mathematics*

Summer 2004 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*

Fall 2004 MAT 104 *College Algebra*
 MAT 203 *Business Calculus*
 MAT 206 *Unified Calculus and Analytics*
 MAT 425 *Modern Algebra*

Spring 2005 MAT 206 *Unified Calculus and Analytics*
 MAT 207 *Unified Calculus and Analytics*
 MAT 443 *Number Theory*
 MAT 490 *Senior Seminar in Mathematics*

Summer 2005 MAT 203 *Business Calculus*

Fall 2005 MAT 203 *Business Calculus* (2 sections)
 MAT 205 *Unified Calculus and Analytics*

Spring 2006 MAT 205 *Unified Calculus and Analytics*
 MAT 207 *Unified Calculus and Analytics*
 MAT 415 *Discrete Mathematics*

Summer 2006	MAT 203	<i>Business Calculus</i>	
Fall 2006	MAT 104	<i>College Algebra</i>	
	MAT 203	<i>Business Calculus</i>	(2 sections)
	MAT 425	<i>Modern Algebra</i>	
	MAT 490	<i>Senior Seminar in Mathematics</i>	
Spring 2007	MAT 104	<i>College Algebra</i>	
	MAT 203	<i>Business Calculus</i>	
	MAT 207	<i>Calculus III</i>	
	MAT 443	<i>Number Theory</i>	
Summer 2007	MAT 203	<i>Business Calculus</i>	
Fall 2007	MAT 104	<i>College Algebra</i>	
	MAT 203	<i>Business Calculus</i>	(2 sections)
	MAT 206	<i>Calculus II</i>	
Spring 2008	MAT 203	<i>Business Calculus</i>	
	MAT 207	<i>Calculus III</i>	
	MAT 415	<i>Discrete Mathematics</i>	
	MAT 490	<i>Senior Seminar in Mathematics</i>	